



Visioneer®  
Strobe XP 220 Scanner  
User's Guide

**visioneer**



for Windows

Visioneer®  
Strobe XP 220 Scanner  
User's Guide

FOR WINDOWS

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## TABLE OF CONTENTS

|  |    |
|--|----|
| <b>Welcome</b> .....                                       | 1  |
| What's in the Box .....                                    | 1  |
| The Visioneer Strobe XP 220 Scanner .....                  | 2  |
| What You Need .....  | 3  |
| Documentation .....  | 3  |
| <b>Installing</b> .....                                    | 4  |
| Before You Begin .....                                     | 4  |
| Step 1: Install the Software .....                         | 5  |
| Step 2: Connect the Power Supply and USB Cable .....       | 13 |
| Step 3: Calibrate the Scanner .....                        | 16 |
| Additional Applications for Your Scanner .....             | 20 |
| View the User Guides .....                                 | 22 |
| Register Your Scanner .....                                | 24 |
| <b>Scanning</b> .....                                      | 25 |
| Scanning Basics .....                                      | 26 |
| Scan a Document .....                                      | 26 |
| Paper Return Options .....                                 | 27 |
| Scan a Photo .....   | 28 |
| Scan Using OneTouch .....                                  | 29 |
| Check or Change Scan Settings Before Scanning .....        | 30 |
| The OneTouch Panel .....                                   | 31 |
| The OneTouch Properties Window .....                       | 32 |
| Selecting New OneTouch Scan Settings .....                 | 35 |
| Setting Destination Application Properties .....           | 37 |
| Scanning with Optical Character Recognition (OCR) .....    | 51 |
| Selecting Options for the OneTouch Properties Window ..... | 53 |
| Creating a New Scan Configuration .....                    | 57 |
| Editing or Deleting Scan Configurations .....              | 66 |

|   |     |
|---|-----|
| Configuring Before Scanning .....                           | 68  |
| Scan and Burn to a CD .....                                 | 69  |
| Scanning with Event Forwarding .....                        | 72  |
| Creating an HTML Web Page from Your Scanned Documents ..... | 74  |
| Transferring Scanned Documents to Storage .....             | 76  |
| Scanning to Multiple Folders .....                          | 79  |
| To Transfer Documents to a Server or Mapped Drive .....     | 83  |
| Checking the Hardware .....                                 | 85  |
| <b>Scanning from the TWAIN Interface</b> .....              | 88  |
| Accessing the TWAIN Interface from PaperPort .....          | 89  |
| Using the TWAIN Interface to Scan .....                     | 92  |
| Getting Help with the PaperPort Software .....              | 97  |
| Setting Up Your Scanner to Work with PaperPort .....        | 98  |
| <b>Scanning from the WIA Interface</b> .....                | 105 |
| Fine Tuning Your Scans .....                                | 108 |
| <b>Maintenance</b> .....                                    | 110 |
| Recalibrating and Cleaning Your Scanner .....               | 110 |
| Troubleshooting .....                                       | 115 |
| How to Uninstall Your Scanner .....                         | 118 |
| Step 1: Uninstall the OneTouch 4.0 Scanner Software .....   | 118 |
| Step 2: Uninstall the PaperPort Software .....              | 118 |
| How to Install Another Driver .....                         | 119 |
| How to Replace the Plug Adapter .....                       | 120 |
| How to Turn AutoLaunch Off/On .....                         | 121 |
| Visioneer Strobe XP 220 Scanner Specifications .....        | 128 |
| Visioneer Strobe XP 220 Scanner Parts List .....            | 129 |
| <b>Index</b> .....  | 131 |

# Welcome

Congratulations for purchasing your Visioneer Strobe XP 220 scanner. With your scanner, you can quickly scan color and black-and-white documents and place their electronic images on your computer.

## WHAT'S IN THE BOX

Please check the contents of the box to make sure that all parts are included. If any items are missing or damaged, contact the dealer where you purchased the scanner.



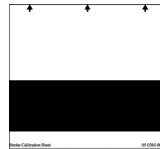
Visioneer Strobe XP 220 Scanner



USB/Power Connector Cable  
(called a USB "Y-Cable")



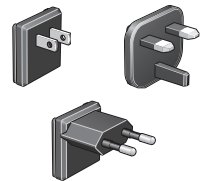
Cleaning Page



Calibration Page



Power Supply



Plug Adapters



Photo Sleeve for  
scanning photos



Software CD

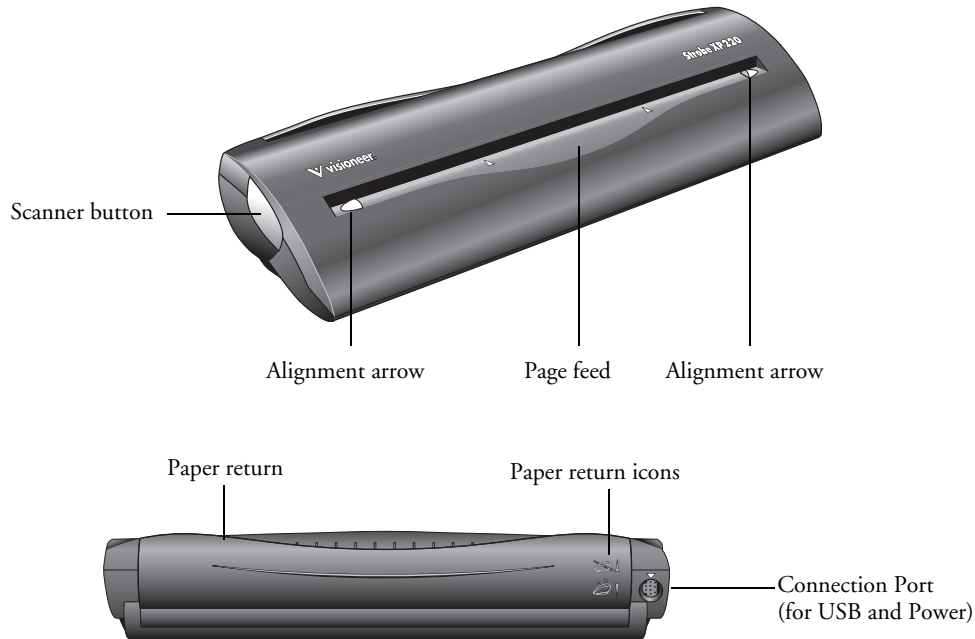


Quick Install Guide



Technical Support Card

## THE VISIONEER STROBE XP 220 SCANNER




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**Scanner Button**—If a OneTouch scan is in progress, pressing the button cancels the scan and the paper comes out of the scanner. If a OneTouch scan is not in progress, pressing the button opens the OneTouch 4.0 window so you can adjust the scanner settings.

**Alignment arrows**—Indicates where to align the edges of the document when inserted into the scanner.

**Page feed**—Automatically feeds the document through the scanner when the sensor inside the scanner detects the presence of a document.

**Paper return**—Can be positioned to feed a document either straight through the scanner or returned back towards you.

**Paper return icons**—Indicates how to position the paper return: up to feed the document straight through the scanner, and down to return the document back towards you.

**Connection port**—Connects the scanner to the USB y-cable provided for connection to the computer and the power supply.

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**Note:** The scanner does not have an on/off switch. Just insert a document into the page feed and the scanner will start scanning.

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## WHAT YOU NEED

### **An IBM-compatible Pentium PC, or AMD equivalent with:**

- A CD-ROM drive
- An available Universal Serial Bus (USB) port; 1.1 or 2.0
- Microsoft Windows XP (Service Pack 1 or 2) or Windows 2000 (Service Pack 4)
- A minimum of 128 megabytes (MB) of internal memory (RAM); 256 MB for Windows XP
- 200 MB minimum of free hard disk space

### **A VGA or SVGA Monitor**

The recommended settings for your monitor are:

- High Color (16-bit) or True Color (24-bit or 32-bit)
- Resolution set to at least 800 x 600 pixels

To set your monitor's colors and resolution:

- Open the Windows Control Panel
- Double-click on **Display** then select the **Settings** tab.

## DOCUMENTATION

The following documentation is provided with the scanner:

- Quick Install Poster—Abbreviated installation instructions.
- Visioneer Strobe XP 220 Scanner User's Guide—On the Installation CD; contains detailed information about installation, scanning, configuration, and maintenance.
- PaperPort User's Guide—On the Installation CD; contains detailed feature and configuration information for the PaperPort software.
- Online Help—For the scanner configuration, TWAIN and WIA interfaces, and PaperPort software.



# Installing

Installation is a quick, three-step process:

- Install the PaperPort software and scanner driver
- Connect the power supply and USB cable
- Calibrate the scanner

## BEFORE YOU BEGIN

*Please make sure of the following before you begin installation:*

- If your computer has AntiVirus or AntiSpyware software running, you may see messages during installation asking you to allow the installation to proceed. Although the messages will differ based on the software your computer is running, in each case you should allow the installation to proceed. Alternatively, you can turn off the AntiVirus or AntiSpyware software before installing your scanner, but if you do, make sure to turn it back on again when installation is finished.
- If you already have a scanner connected to your computer, it is recommended that you remove that scanner's driver program prior to installing your Visioneer Strobe XP 220 scanner. While in some cases you can configure your computer to have another manufacturer's scanner operational on your computer in conjunction with the Visioneer scanner, we do not recommend this configuration as you may lose some of the driver functionality on one, or both of the units. You can remove these programs from the Windows Add/Remove Programs list. Please refer to the user manual provided with your other scanner for instructions about removing the driver and software for that unit.
- The information in this guide may cover software not provided with the scanner you purchased. Please disregard any information about the software not applicable to your scanner.

## STEP 1: INSTALL THE SOFTWARE

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**Note:** You must install the software *before* connecting the scanner to your computer. Otherwise, the correct driver software for your scanner will not be installed and it may not work properly.

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### To install the software:

1. Start Microsoft Windows and make sure no other applications are running.
2. Insert the Installation CD into your computer's CD-ROM drive.



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**Note:** If the CD does not start automatically, check the following:

- Make sure the CD drive's door is completely shut.
- Make sure the CD was inserted in the drive in the proper direction (label side up).

To launch the CD manually:

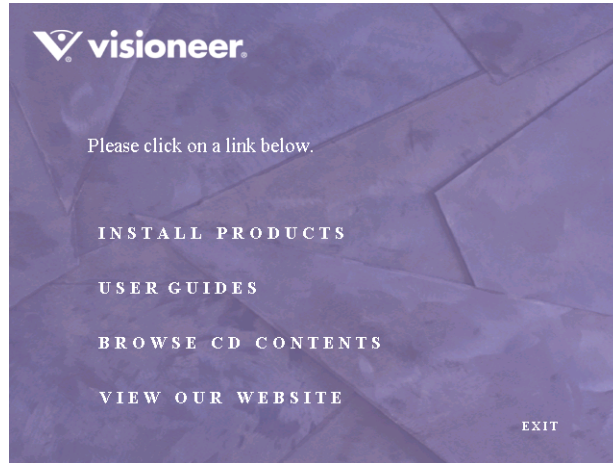
- Open the Windows option for My Computer. You can do this by double-clicking on the **My Computer** icon on your desktop.
- Double-click the icon for your CD-ROM drive.
- The Installation menu for the CD should now open.

If the menu does not open:

- From the list of files on the CD, double-click the file named START32.EXE.
-

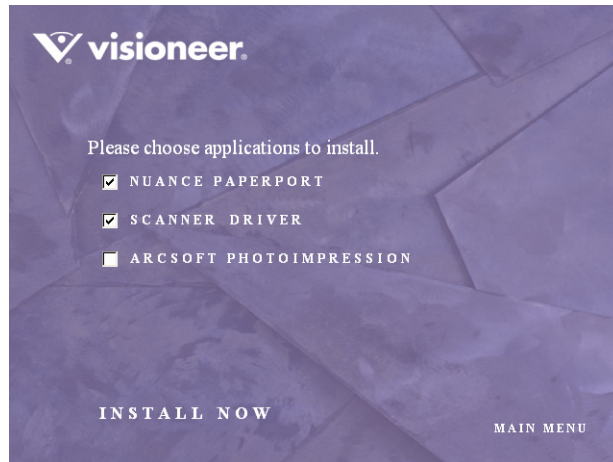
When the CD starts, the Visioneer Installation window opens automatically.

3. On the Main Menu, click **Install Products**.



The next window lists the software that is available to install on your computer.

4. Select **Nuance® PaperPort®** and **Scanner Driver**.



5. Click **Install Now**. The PaperPort software will load first.

6. The Select Language window opens for the PaperPort software. Click the drop-down menu arrow and select the language you want to use. Click **OK**.

The first PaperPort Installation window opens.

7. On the PaperPort Welcome window, click **Next**.

Installing PaperPort will uninstall any existing version of PaperPort and will install the newer version while retaining all of your previous PaperPort files.

8. Read the PaperPort license agreement and select **I accept the terms in this agreement**, then click on **Next**. If you choose not to accept the license agreement, the installation will terminate and the PaperPort software will not be installed.

9. On the Customer Information window, accept the current values or enter new information, then click **Next**.

10. On the Setup Type window, keep the default Setup Type and click **Next**.

11. Click **Install** to begin the installation.

**Reminder:** If your computer is running an AntiVirus or AntiSpyware application, you may see messages asking you to allow installation. Select the option to allow installation to proceed.

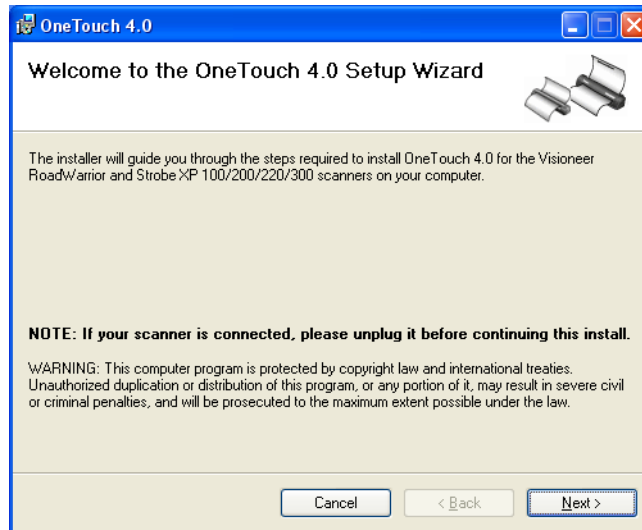
12. On the Product Registration window, do one of the following:

- Select **Register online**, click **OK**, then follow the registration instructions.
- Select **Print registration form**, click **OK**, then follow the instructions to complete and print the registration form.
- Select **Remind me in 7 days** and click **OK**.

13. At the InstallShield Wizard Completed window, click **Finish**.

If a message window opens instructing you to restart your computer, click **Restart**.

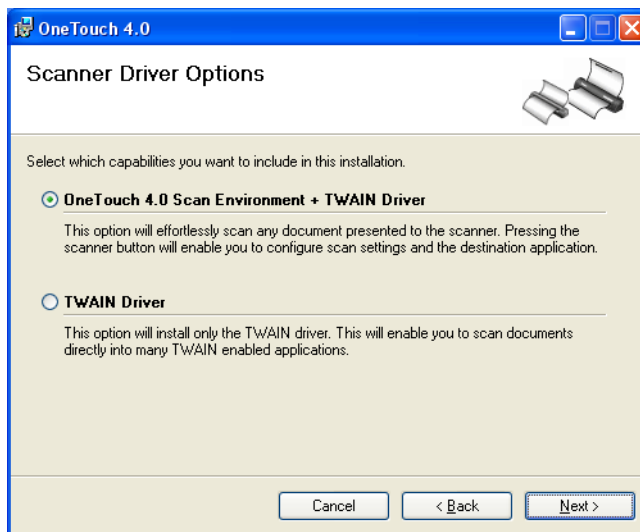
14. The Welcome to the OneTouch 4.0 Setup Wizard opens.



15. Click **Next**.
16. On the Visioneer License Agreement window, read the license agreement. If you accept the terms, select **I Agree** then click **Next**.  
If you choose not to accept the license agreement, the installation will terminate and the scanner driver will not be installed.

17. Click **Next**.

The next window lists the choices of the drivers that you can install for your scanner.



18. Select the option you want.

---

**Note:** If your computer is running Windows XP, Microsoft's Windows Image Acquisition (WIA) interface for scanning is always available, regardless of your selection on this window. WIA is only available on computers running Windows XP.

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- **OneTouch 4.0 Scan Environment + TWAIN Driver**—This is the **recommended** installation. It installs the OneTouch 4.0 software which provides the necessary driver software for your scanner. It also installs the scanning interface for TWAIN. Selecting this installation option means you can use either the OneTouch software, or the TWAIN interface to scan. This User Guide explains how to use both methods to scan.
- **TWAIN Driver**—Only the TWAIN driver is installed. You will only be able to scan using the TWAIN interface. You will not be able to use the OneTouch software.

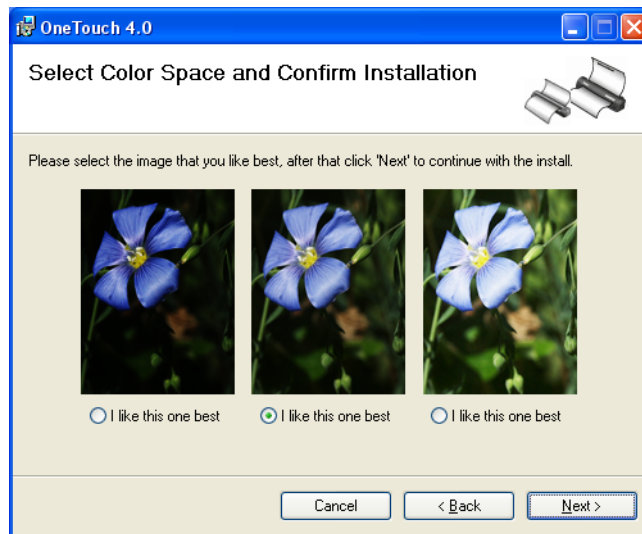
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**Note:** If you decide to change the scanner's installed drivers later on, you must first uninstall the drivers the scanner is currently using. See the section "How to Install Another Driver" on page 119.

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19. Click **Next**.

During installation you will see this window asking you to select one of the images for your Color Space setting.

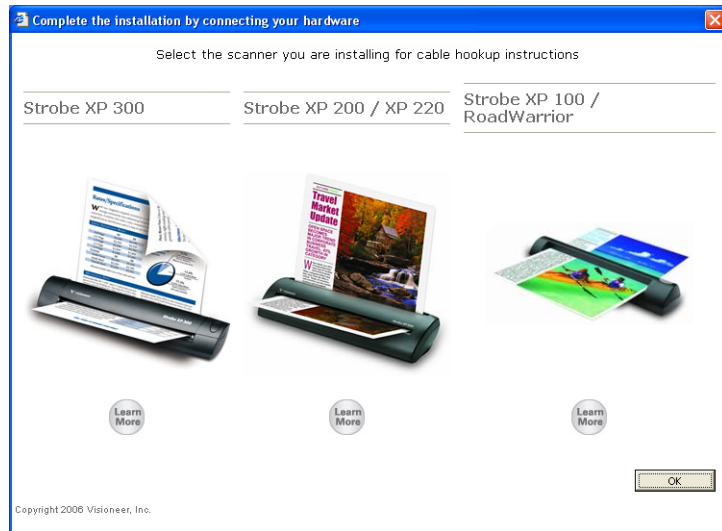


The Color Space setting sets the gamma value for the scanner so scanned items look good on your monitor. Gamma controls the brightness of the midtones of colors. That setting can be changed later on as you're scanning.

20. Select the option that looks best to you and click **Next**.

The driver installation will now begin.

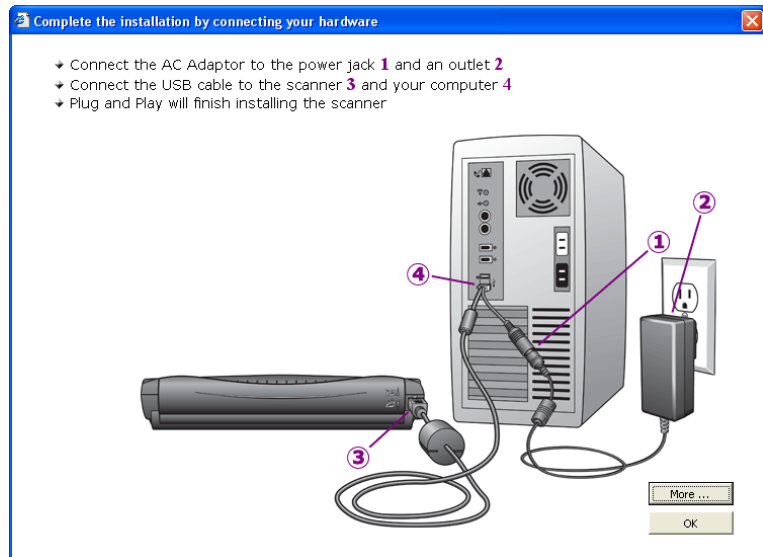
21. This window opens asking you to select which Visioneer scanner you are installing.



22. Click the **Strobe XP 200/XP 220** image (the middle one).  
If you want to see more about the scanner before installing it, click its **Learn More** button.
23. Click **OK**.  
You will then see a window that explains how to connect the scanner to your computer.



24. **STOP** when you see the “Complete the installation by connecting your hardware” window. Do **NOT** click on **OK** yet. Leave the window open and proceed to the next section, “Step 2: Connect the Power Supply and USB Cable” on page 13.



**Reminder:** If your computer is running AntiVirus or AntiSpyware software, you may see messages asking you to allow installation. Select the option to allow installation to proceed.

---

**Note:** If you want to see more information about your scanner and a quick explanation of how to use the OneTouch features, click on the **More** button on the window. When you're finished, return to the window above to continue with the installation process.

---

## STEP 2: CONNECT THE POWER SUPPLY AND USB CABLE

You may now connect the scanner's power supply and USB cable. The USB cable plugs into any available USB port on the computer. Check your computer's manual for USB port locations.

---

**Note:** You can connect the scanner to your computer while the computer is running. You do not have to shut down your computer.

---

### Attach a Plug Adapter to the Power Supply

1. You received three plug adapters with your scanner. Use the correct adapter for the electrical wall outlet at your location.

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**Note:** Remember to take the plug adapters with you when travelling to countries with different electrical outlets. To remove an adapter, see the section, "How to Replace the Plug Adapter" on page 120.

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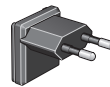
The three plug adapters are for:



United States

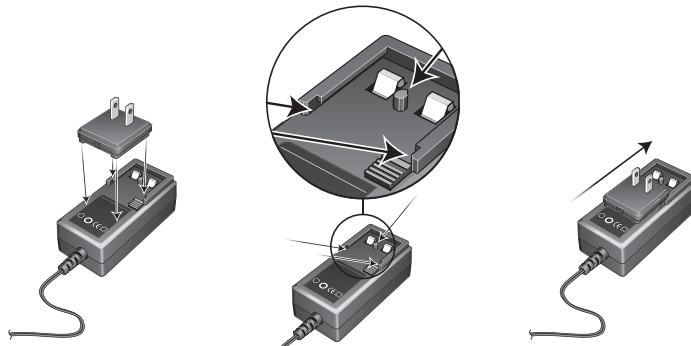


United Kingdom



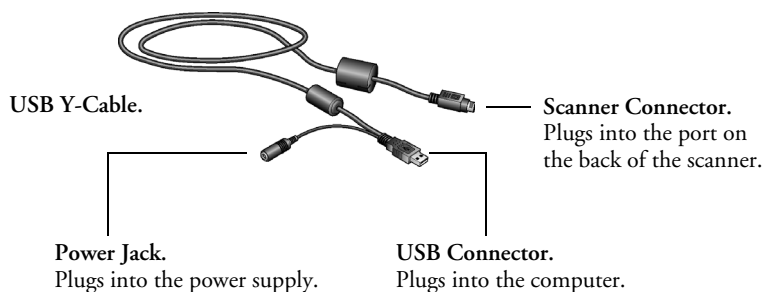
Europe

2. Position the adapter so it aligns with the edges of the power supply and will slide onto the post in the middle of the two contacts. Gently slide the adapter forward until it snaps into place.



### Attach the USB Y-Cable to the Power Supply and Connect the Computer

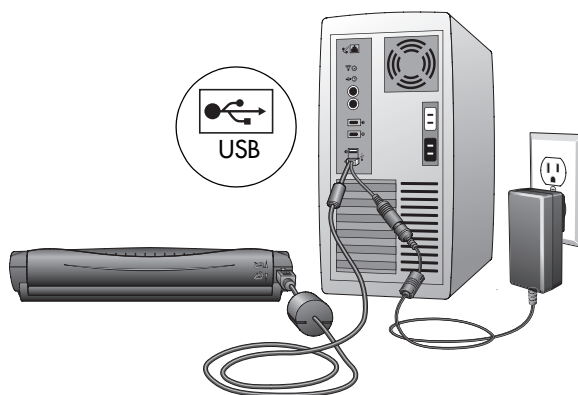
The cable provided with the scanner is called a USB “Y-cable,” and you will need to connect it to the scanner, computer, and power supply.



1. Using the on-screen window as your guide, plug the power supply cable into the power jack on the USB Y-cable. Then plug the power supply into an electrical outlet.
2. Plug the scanner connector on the Y-cable into the connection port on the back of the scanner.

Please be sure the arrows on the scanner connector line up with the arrows on the back of the scanner to avoid pins getting bent while inserting the connection.

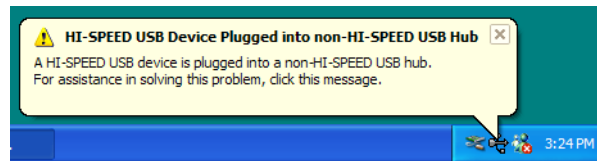
3. Plug the USB connector on the Y-cable into a USB port on your computer. Connection to a USB 2.0 High Speed port provides optimum performance, but you can also connect to a USB 1.1 port.



The USB symbol, as seen in the above diagram, identifies the location of the USB port on your computer. If the plug does not attach easily, make sure that you are plugging it in correctly. Do not force the plug into the connection.

You can also connect the scanner to a USB port on the computer's keyboard if it has one, or to a USB hub. To use a USB hub, it must have its own power supply already plugged into an electrical outlet.

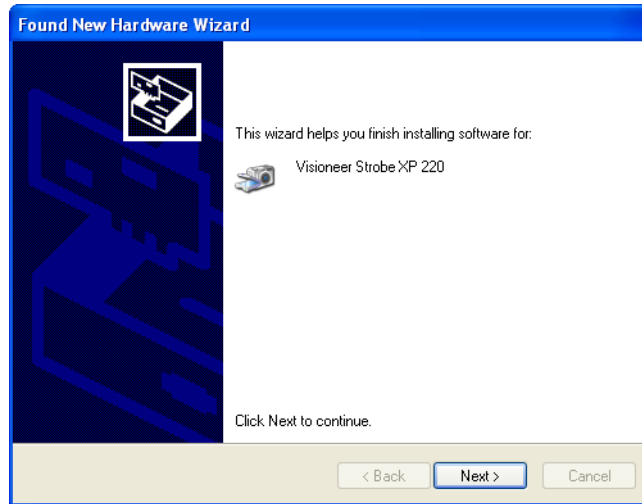
If you are using Windows XP Service Pack 2, and have plugged the USB cable into a USB 1.1 port, an information bubble may open explaining that "A HI-SPEED USB device is plugged into a non-HI-SPEED USB hub". Plug the USB cable into a USB 2.0 port (if available) or just disregard the message. If you leave it plugged into the USB 1.1 port, your scanner may scan a bit slower.



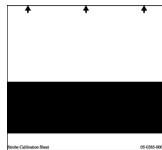
4. Your computer recognizes that a scanner has been plugged into the USB port and loads the appropriate software to run the scanner.
5. The window for calibrating the scanner will open. Proceed to "Step 3: Calibrate the Scanner" on page 16.

## STEP 3: CALIBRATE THE SCANNER

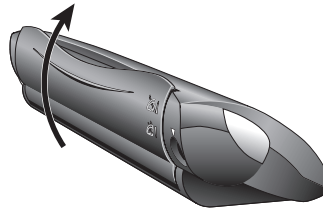
1. After the computer loads the appropriate software to run the scanner, the Found New Hardware Wizard window opens.



2. You will need the calibration page that you received with your scanner for the calibration process. The calibration page is in a plastic storage bag. Remove the calibration page from its plastic storage bag.
3. Before you start the calibration, please move the scanner's Paper Return into the Up position so the calibration page will feed straight through the scanner.



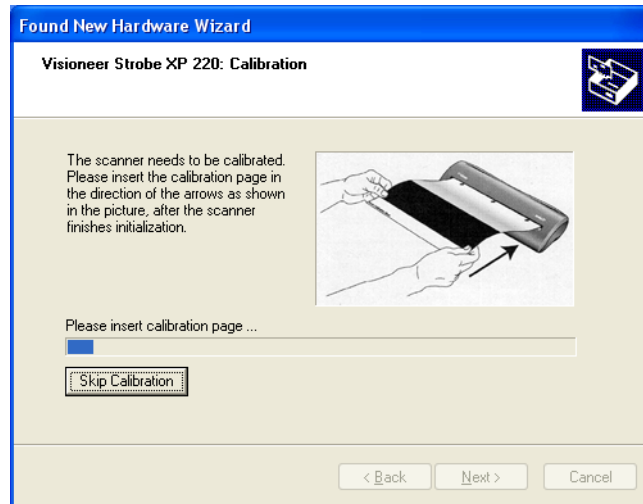
The Calibration Page.



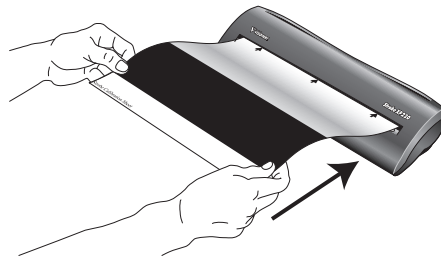
Move the Paper Return to the Up position.

4. Now click **Next** on the Found new Hardware Wizard window.

5. The Calibration window opens.



6. Insert the calibration page into the page feed in the direction of the arrows on the page.



The scanner grabs the page and feeds it through the scanner.

The scanner will pass the page back and forth several times.

*Do not remove the page until calibration is finished.*

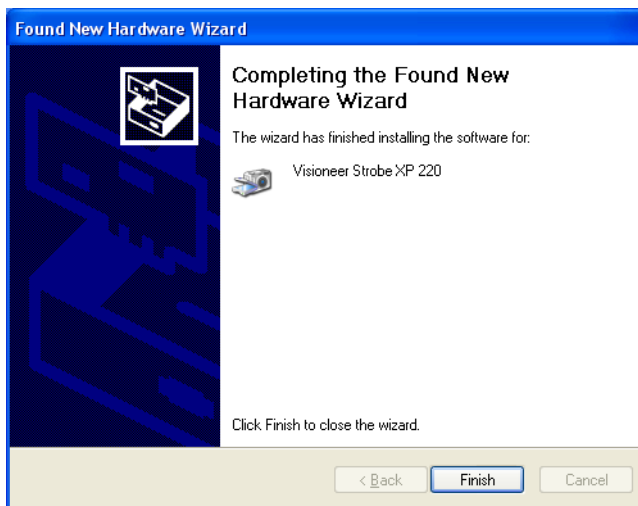
7. When calibration is complete, the calibration page will back out of the scanner.

---

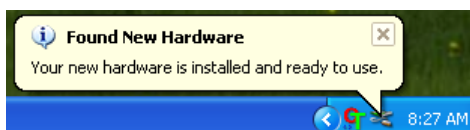
**Note:** If the page does not back out of the scanner, the calibration may not have finished properly. Remove the page and complete the installation of your scanner, then see the section, “Recalibrating and Cleaning Your Scanner” on page 110 to run the calibration again.

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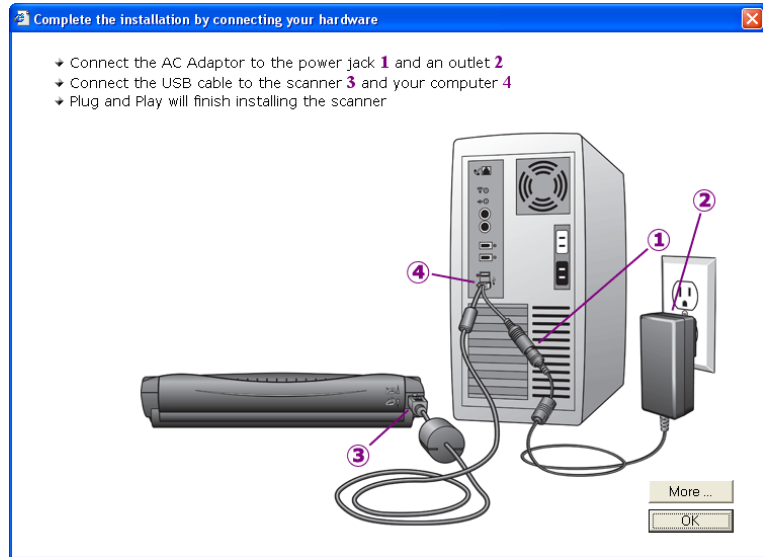
8. Remove the page and replace it in its plastic bag.  
Do not discard the calibration page. You may need it periodically to calibrate the scanner to keep it operating at peak performance.
9. Click **Next** on the Calibration window.
10. Click **Finish** on the Completing the Found New Hardware Wizard window.



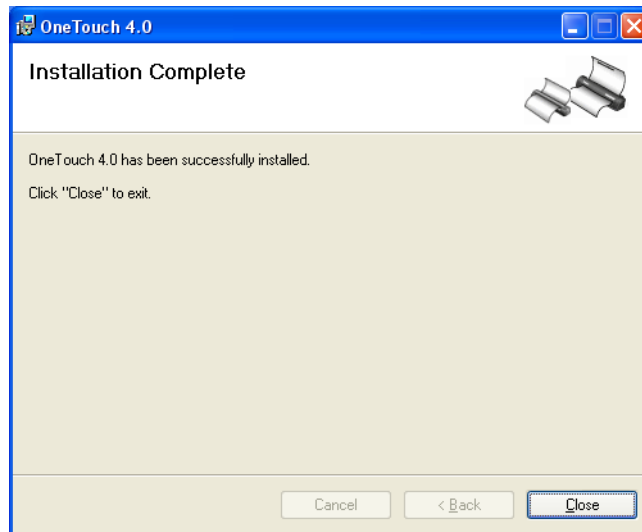
*Do not proceed until you receive a message that your computer has found the new hardware, or updated the driver database. If your computer is running Windows XP, you will see the following message.*



11. When you are certain that the software has completely loaded, return to the “Complete the installation by connecting your hardware” window and click **OK**.



12. Click **Close** on the Installation Complete window.



13. You may now remove the installation CD unless you want to install the additional software you received with your scanner.

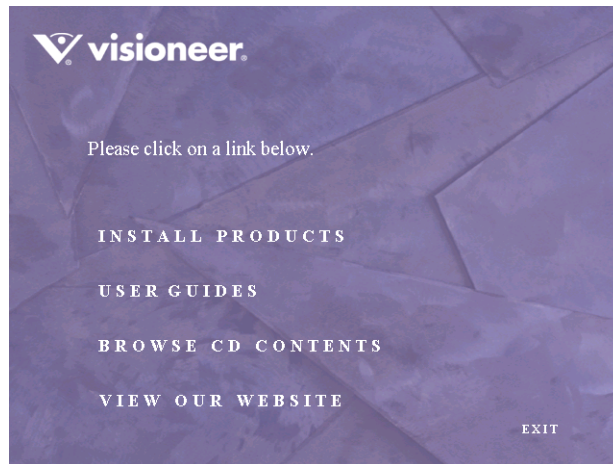


## ADDITIONAL APPLICATIONS FOR YOUR SCANNER

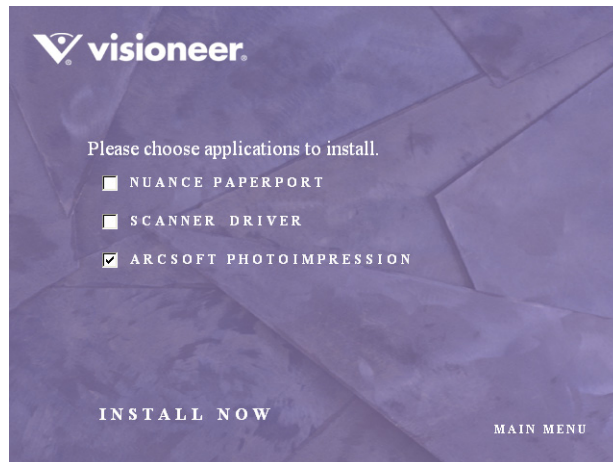
Your scanner includes free, additional applications on the installation CD.

### To install the additional applications:

1. Return to the Main Menu and click **Install Products** again.



2. Select **ArcSoft® PhotoImpression®**.



3. Click **Install Now** and follow the instructions on the screen.

ArcSoft PhotoImpression is a set of software tools for enhancing your scanned photos. You can use PhotoImpression to change a photo's brightness and contrast, sharpen the image, change its color tones, remove red-eye from pictures of faces, and crop and resize the image. PhotoImpression works with digital photos directly from a camera, as well as photos scanned with your Visioneer Strobe XP 220 scanner.

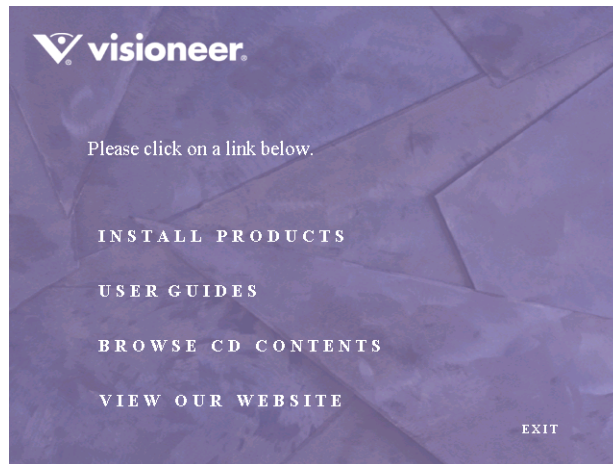
4. When installation is complete, return to the Main Menu.

## VIEW THE USER GUIDES

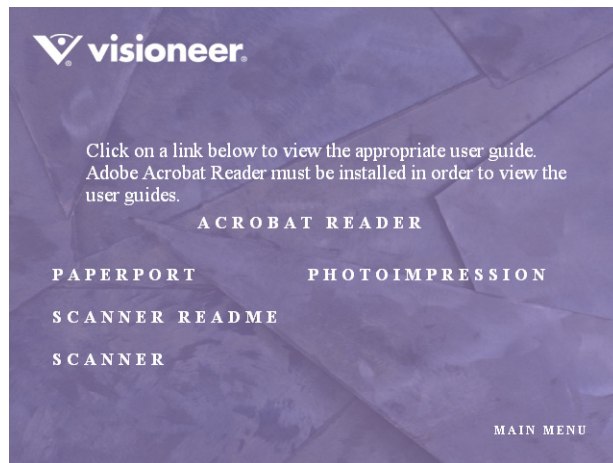
The Installation CD also contains User Guides for your scanner and for all the software you received with it.

### To view the user guides:

1. On the Main Menu, click **User Guides**.



2. The Visioneer User Guides window opens. Use this window to view and save the User Guides you want.



The User Guides are in Adobe® Acrobat® PDF format. The CD also includes a free copy of Acrobat® Reader® in case your computer does not have it already installed. The Scanner Readme file is in HTML format and will open in any standard browser.

If you need to, click **Acrobat Reader** to install it now. Follow the instructions on the installation windows.

*If your computer already has Adobe Acrobat Reader installed, please do not select it unless the version provided on the installation CD is a newer version than the one currently installed on your computer.*

3. Click the name of a User Guide you want to view and it will open in Acrobat Reader. Use the Acrobat Reader **Save** command to save that User Guide on your computer.
4. Return to the Visioneer User Guides window and repeat the process to open, view, and save the other User Guides you want. **The Scanner Readme file has late-breaking news about your scanner.**
5. When you're finished, click **Main Menu** to return to the main Visioneer Installation window and click **Exit**.
6. Remove the Installation CD from the computer and store it in a safe place.

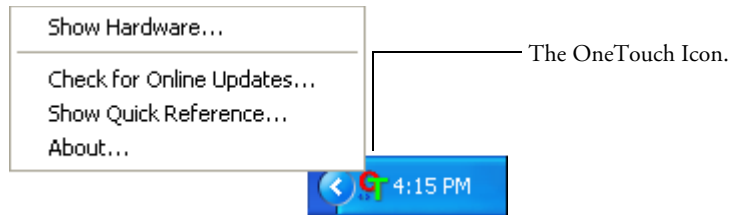
*That's it! Installation is finished and your Visioneer Strobe XP 220 scanner is ready to scan.*

## REGISTER YOUR SCANNER

Registering your scanner is important as it provides you with access to our free telephone support service. Registration also gives you free access to software updates for your scanner.

### To register your scanner:

1. *Right-click* on the OneTouch icon in the Windows Notification Area (at the bottom right corner of the screen).
2. Choose **Check for Online Updates** from the pop-up menu.



3. Follow the instructions on the screen and register your scanner by entering your scanner's serial number and your email address.

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**Note:** A valid email address is required.

---

The serial number is located on the underside of the scanner.



After registration is complete you will receive an email message with your RegID. Your RegID is important as you will need it when accessing free telephone support, or checking for online updates.

4. After receiving your RegID, write it down on a piece of paper and keep it with your scanner so you will be able to find it easily.

# Scanning

You have several different scanning options with your Visioneer Strobe XP 220 scanner. Each method scans equally well, so use the one appropriate for the item you are scanning.

- **OneTouch**—Your scanner uses Visioneer’s AutoLaunch technology that senses when a document is inserted into the page feed and starts the scanning. You simply insert a document into the scanner and it is automatically scanned using predefined settings from the OneTouch software. To change the scanner’s settings you open the OneTouch panel on the computer screen before scanning and make the changes. Then insert the document into the scanner and it will be scanned with the new settings. See “Scan Using OneTouch” on page 29.
- **TWAIN Interface**—Use this option to scan from the PaperPort application you received with your scanner. Many other programs also use the TWAIN interface, so you can scan from them too. See “Scanning from the TWAIN Interface” on page 88.
- **WIA Interface**—This option is the Microsoft Windows Image Acquisition (WIA) interface. You can access the WIA interface from the PaperPort software, or from other applications on your computer. See “Scanning from the WIA Interface” on page 105. The WIA interface is only available if your computer is running Windows XP.

## SCANNING BASICS

### SCAN A DOCUMENT



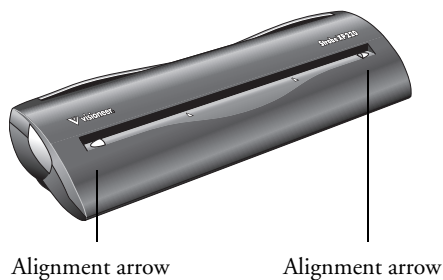
---

**Note:** Always remove any staples or paper clips from documents before inserting them into the scanner. Staples and paper clips can jam the feed mechanism and scratch the internal components. Also remove any labels, stickers, or Post-It™ notes that may come off during the scanning process and get stuck in the scanner. Misuse as described here will void your scanner's warranty.

---

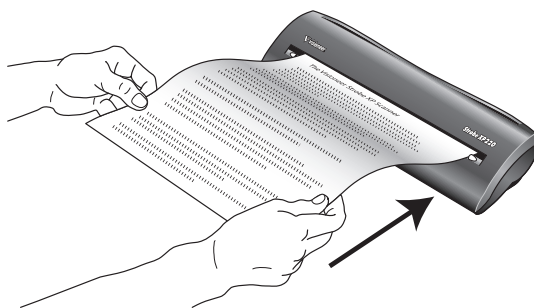
#### To scan a document:

1. Align the page with the alignment arrows.



Misaligned pages will not feed into the scanner properly.

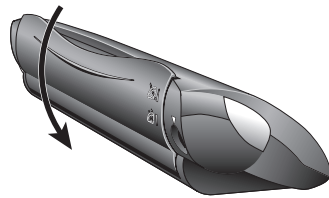
2. Insert the page *face up* and feed it straight into the page feed.



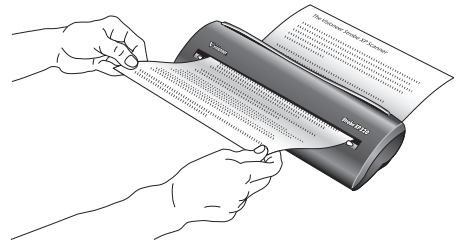
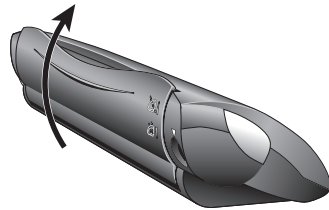
## PAPER RETURN OPTIONS

The position of the Paper Return determines the path of the scanned document. You can set the paper return to feed the document back towards you, or straight through the scanner.

- To have the scanned document returned back towards you, move the Paper Return to the **Down** position.



- To feed a document straight through the scanner, move the Paper Return to the **Up** position as shown below.



The Paper Return icons on the back of the scanner indicate the positioning of the Paper Return for each option.

---

**Note:** When scanning heavier paper that does not bend easily, position the Paper Return in the **Up** position so the document will feed straight through the scanner.

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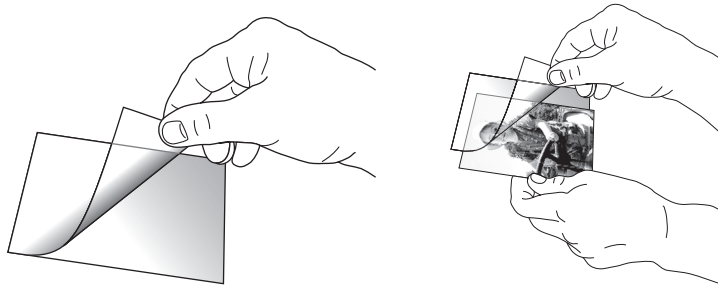


## SCAN A PHOTO

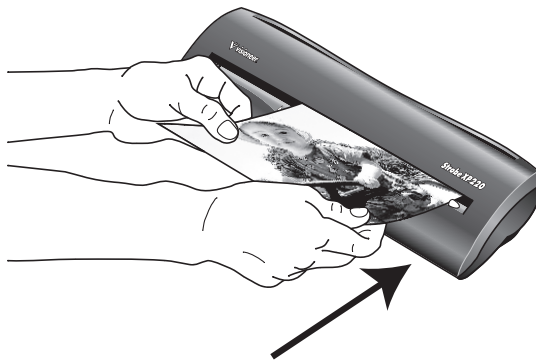
The photo sleeve you received with your scanner is for scanning photographs.

### To scan a photo using the photo sleeve:

1. Separate the clear plastic sleeve from the paper backing and slide the photo into the sleeve so it fits snugly at the corners.

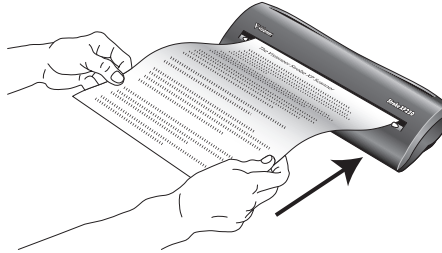


2. Now insert the photo and sleeve into the scanner's page feed with the clear plastic and image facing up.



## SCAN USING ONE TOUCH

1. Align the document between the alignment arrows and insert it, face up, into the page feed slot.



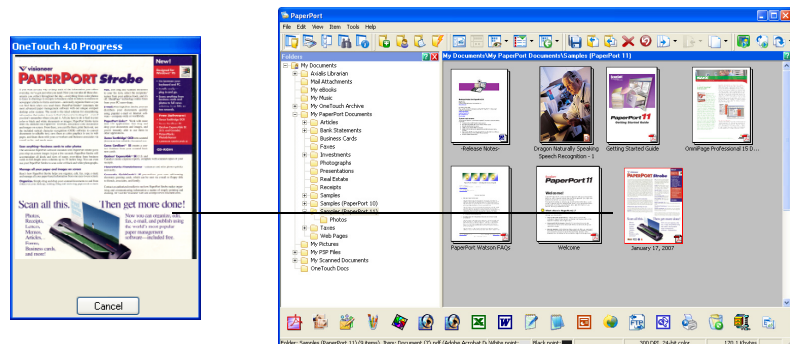
2. The AutoLaunch technology senses that a document is inserted into the page feed and starts the scanning. The scanner rollers will grab the top edge of the paper and begin to scan and feed the document through the scanner.

---

**Note:** You can turn the AutoLaunch feature off. See the section, “How to Turn AutoLaunch Off/On” on page 121.

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3. The item is scanned using predefined settings from the OneTouch software. To change OneTouch settings, see “Selecting New OneTouch Scan Settings” on page 35.
4. A window shows the image as scanning is in progress. Then, when scanning is finished, the image is sent to the Destination Application selected in the OneTouch settings. In the following example, the Destination Application is the PaperPort desktop.



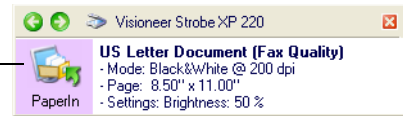
## CHECK OR CHANGE SCAN SETTINGS BEFORE SCANNING

Press the button on the side of the scanner.

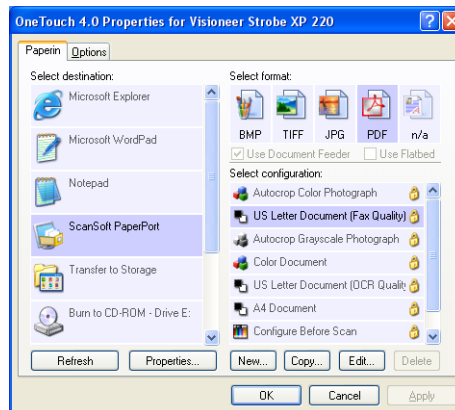


The OneTouch Panel opens with the description of the current settings for the scanner.

The icon indicates the Destination Application, in this case PaperPort. The text shows the current settings for scanning.



The OneTouch Properties window also opens so you can choose new settings before scanning. Use this window to select a new Destination Application, file format, and so forth. See “Selecting New OneTouch Scan Settings” on page 35 to modify the settings.




---

**Note:** You can also check the scan settings from the OneTouch Panel, if it's open. See the next section, “The OneTouch Panel” for more information.

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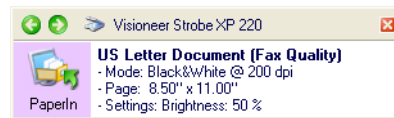
## THE ONETOUCH PANEL

Use the OneTouch Panel when you want to change the scan settings or reset the scanner's hardware properties. If AutoLaunch is off, you can also scan from the OneTouch Panel. See the section, "Scan from OneTouch when AutoLaunch is Off" on page 127.

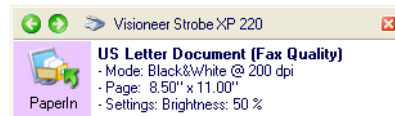
1. To open the OneTouch Panel, press the button on the side of the scanner, *or* click the OneTouch icon.



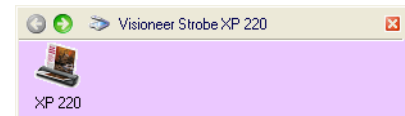
2. The OneTouch Panel opens with the details of the current settings.



3. Click the green arrows at the top left of the Panel to switch between the panel's Detail View and Hardware View.



The Detail View.



The Hardware View.

- The Detail View shows the icon of the Destination Application, plus the current scan settings. Right-click on the icon to open the OneTouch Properties window.
  - The Hardware View shows the scanner connected to your computer. Right-click on the scanner icon to open the Hardware Properties window. Clicking (not right-clicking) the scanner icon also toggles back to the Detail view.
4. To close the Panel, click the close button at the top right.

## THE ONETOUCH PROPERTIES WINDOW

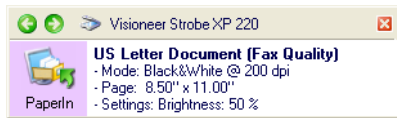
The OneTouch Properties window lists available scan settings and is where you select new settings. It also contains special scanning features such as scanning and burning to a CD, scanning and converting text directly into an HTML web page, and scanning with Optical Character Recognition (OCR) which turns a scanned image into text you can edit.

To open the OneTouch Properties window using either of the following methods:

- Press the button on the side of the scanner.
- Click the OneTouch icon at the bottom right of the screen, then *right-click* the PaperIn icon.

The OneTouch Properties window opens and shows the current options selected for your scanner.

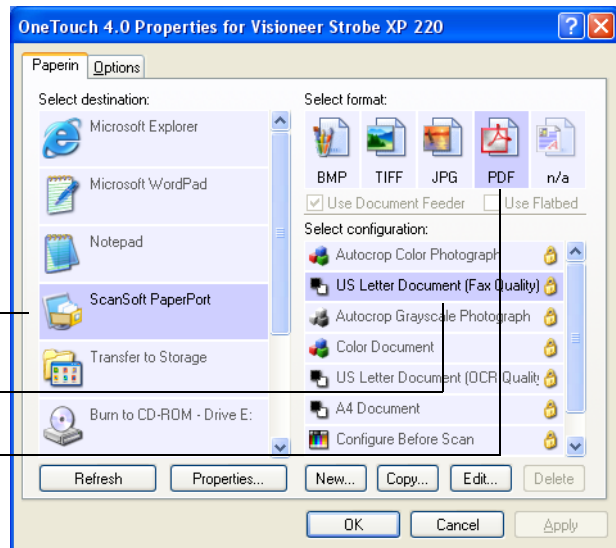
The description on the OneTouch Panel shows which options are selected on the window.



In this example:  
The **Destination Application** is PaperPort.

The **Configuration** being used for scanning is  
US Letter Document (Fax Quality).

The **Format** for the scanned item will be PDF.




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**Note:** Some of the options on the OneTouch Properties Window (and other OneTouch windows and dialog boxes) may be “grayed out” and are not available. Grayed out options are not appropriate for your Visioneer Strobe XP 220 scanner.

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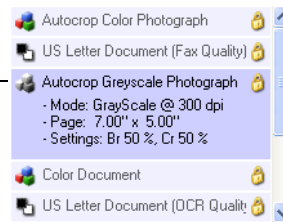
The settings on the OneTouch Properties window are:

**Select Destination**—The list of Destination Applications that can open to display the scanned image. To configure the list of available applications, click the Options tab at the top of the dialog box and select the desired options. See “Selecting Options for the OneTouch Properties Window” on page 53 for more information.

To make sure all your computer’s Destination Applications are linked to OneTouch 4.0, click the **Refresh** button.

**Select Configuration**—The list of available scan configurations. A configuration’s basic settings include: scanning mode, resolution (dpi), page size, brightness (Br), and contrast (Cr). To see a selected scan configuration’s settings, click its icon. Click the icon again to close the detailed information.

Click the icon of a selected configuration to view its settings.



These icons next to the scan configurations indicate the scanning mode.



Color



Black and White



Greyscale



Configure Before Scan

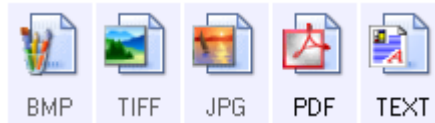
---

**Note:** Use Configure Before Scan if you want to set the scanning mode manually before scanning. See “Configuring Before Scanning” on page 68.

---

You can also click the **Edit** button or double-click a configuration to see more detailed information about it.

**Select Format**—A set of file formats for the scanned image. The formats are based on the type of Destination Application you select. This example shows the formats that apply to the Microsoft Outlook.



The icon names indicate their file types. See “Selecting Format Options” on page 47 for more about the formats.

**Options tab**—Switches to the view for choosing options related to the selected Destination Application. Click the **PaperIn** tab to return to the previous view without closing the window.

**Refresh button**—Updates the links between OneTouch 4.0 and compatible Destination Applications on your computer.

---

**Important:** If you install new software that can be used as a Destination Application, click the **Refresh** button to link the new software to OneTouch 4.0. Note that some software installed on your computer may be incompatible with OneTouch 4.0. Incompatible software will not be listed as a Destination Application.

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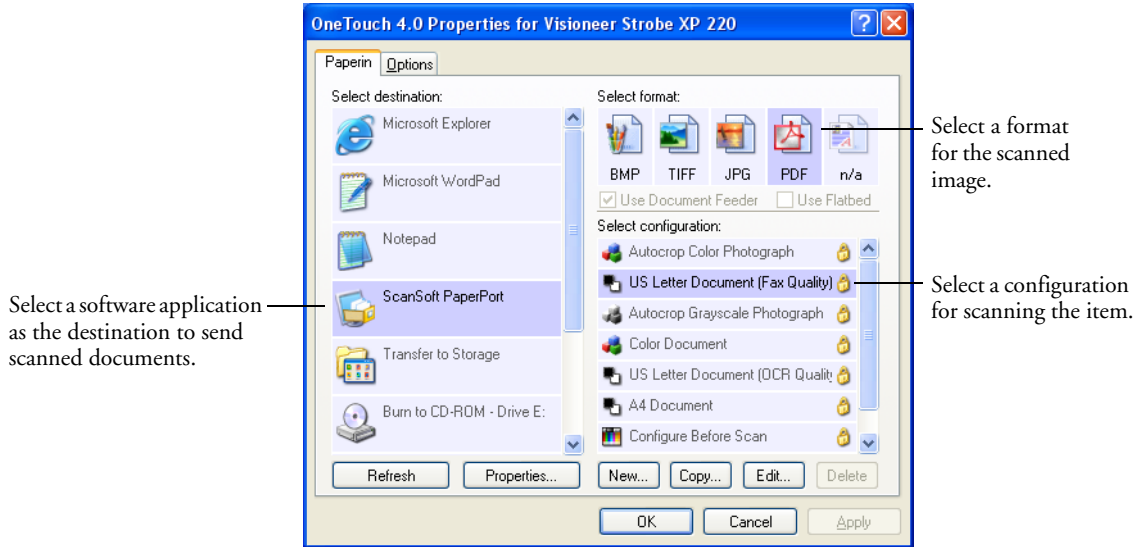
**Properties button**—Displays a window for selecting properties for each type of Destination Application. See “Setting Destination Application Properties” on page 37

**New/Copy/Edit/Delete buttons**—Click **New** or **Copy** to add new scan configurations to the list. Click **Edit** or **Delete** to change or remove them. See the sections “Creating a New Scan Configuration” on page 57 and “Editing or Deleting Scan Configurations” on page 66.

**OK/Cancel/Apply buttons**—**OK** accepts any changes and closes the window. **Apply** accepts any changes but leaves the window open so you can continue making additional changes. **Cancel** closes the window without accepting any changes.

## SELECTING NEW ONETOUCH SCAN SETTINGS

The OneTouch settings consist of a **Destination Application**, a **Scan Configuration**, and a **Document Format**. The OneTouch Properties window is where you select these three elements.



### To select new settings for the scanner:

1. From the **Select Destination** list, select the application where you want documents sent when scanning is finished.

See “Selecting Options for the OneTouch Properties Window” on page 53 to display a full list of the Destination Applications that you can use with the scanner.

---

**Note:** If you select a word processing program such as Microsoft WordPad or Microsoft Word and a format that can be used for OCR (such as TEXT or RTF), the text in scanned images is automatically converted to word processing text. See “Scanning with Optical Character Recognition (OCR)” on page 51 for details.

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2. From the **Select Configuration** list, select a scan configuration.





To scan in color, select one of the configurations indicated by the small color icon, such as the Color Document configuration.

To create your own scan configurations see “Creating a New Scan Configuration” on page 57.

3. Select a **Format** option.

The available options apply to the Destination Application you select. For example, if you select Microsoft Word as the Destination Application, the available formats are for text, such as .txt and .rtf. However, if you select Microsoft Paint as the Destination Application, then the available formats are for graphics, such as .bmp, and .jpg.

---

**Note:** If a format is listed as n/a, that means the text format is not available for that Destination Application.

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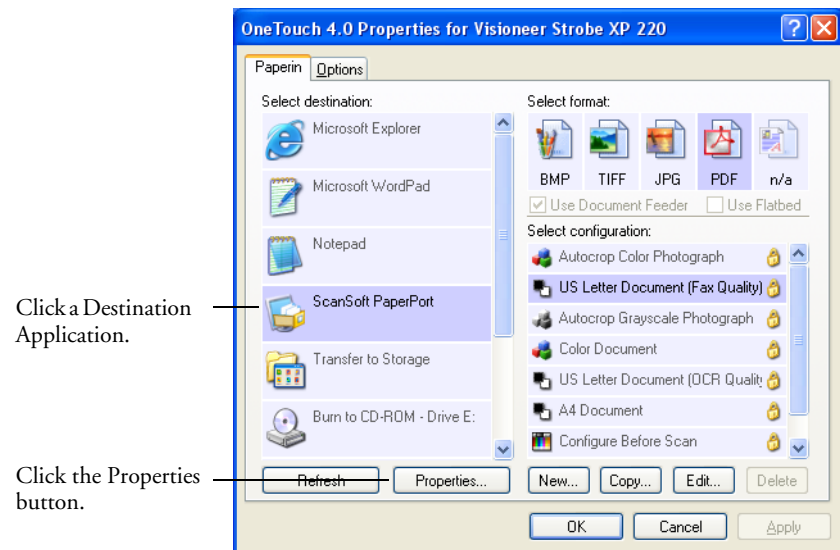
4. Click **OK** to accept the changes and close the window.

To accept the changes but keep the window open to work with other features, click **Apply**.

## SETTING DESTINATION APPLICATION PROPERTIES

The different types of Destination Applications have various properties that you can select.

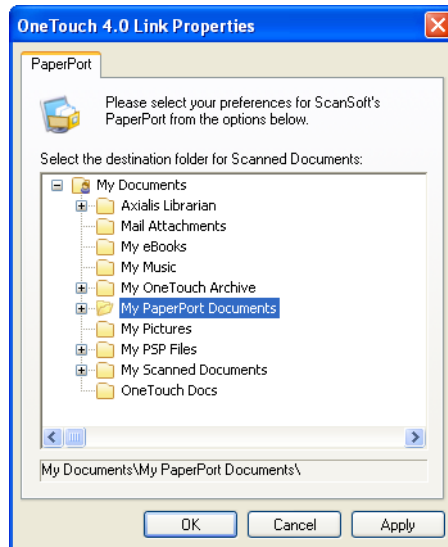
1. On the OneTouch Properties window, click a Destination Application.
2. Click the **Properties** button.



A OneTouch 4.0 Link Properties dialog box opens for the type of Destination Application you selected, and the available options are for that type of application.

## PAPERPORT PROPERTIES

These properties apply to PaperPort, and are for designating the folder to receive your scanned items.

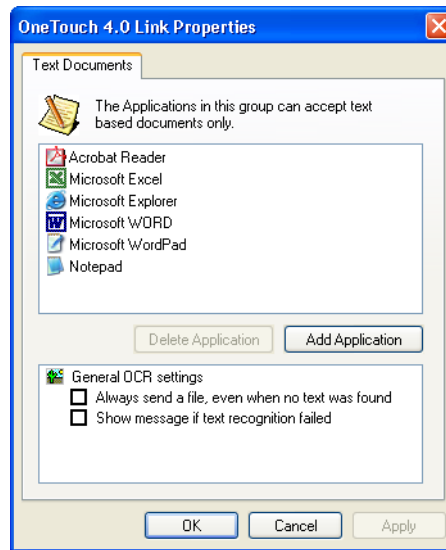


1. Select the PaperPort folder where you want the file of the scanned image to be located.
2. Click **OK**.
3. Click **OK** or **Apply** on the OneTouch Properties window.

When PaperPort opens after you finish scanning, the thumbnails of your scanned documents are on the Desktop in that folder.

## TEXT DOCUMENTS PROPERTIES

These properties apply to Microsoft Word, Microsoft Excel®, and the other applications indicated by their icons in the list. The properties apply to the Optical Character Recognition (OCR) settings for the applications.



1. Click in the OCR settings boxes for the options you want.

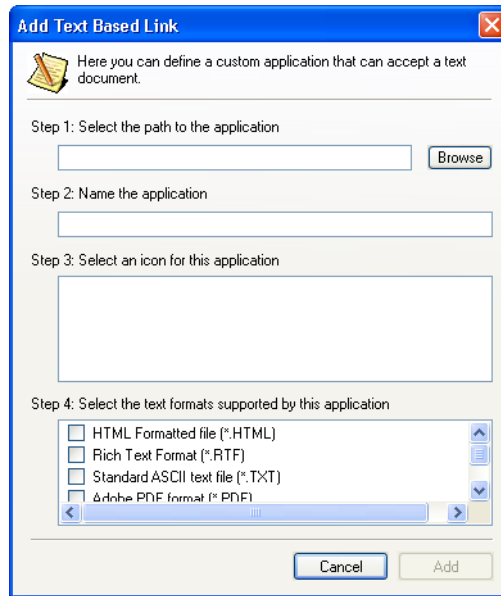
The options will apply to all the applications in the group.

**Always send a file, even when no text was found**—The scanned file is sent to the OCR reader even if the image does not appear to contain text. This could occur if you scanned a photograph with the file format set to a text format.

**Show message if text recognition failed**—A message will open on the screen if the OCR reader does not detect text in the image.

2. To add another application to the list, click the **Add Application** button.

The Add Text Based Link dialog box opens.



3. Click **Browse** to find the application you want to add to the list.

When you select the application using the Browse button, steps 1 and 2 on the dialog box are automatically filled in, and the application icon appears in step 3.

4. Select the icon in Step 3 of the dialog box. That is the icon that will appear in the OneTouch Destination List.
5. In step 4 of the dialog box, select the file formats that the application will accept.

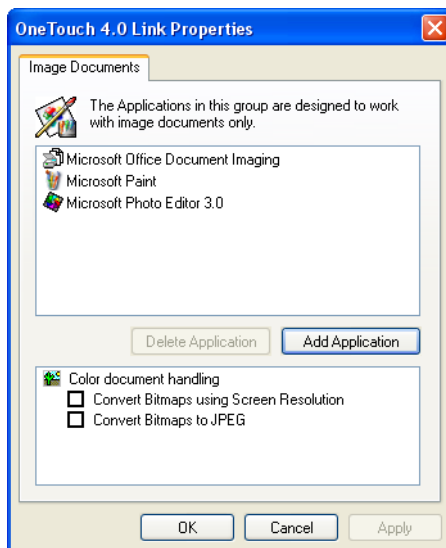
Refer to the documentation you received with the application to see which text formats the application accepts.

The options you select at step 4 determine the format icons in the OneTouch Properties window for that group of applications.

6. Click the **Add** button.
7. Click **OK** or **Apply** on the Link Properties window.
8. Click **Refresh** on the OneTouch Properties window.
9. Click **OK** or **Apply** on the OneTouch Properties window.

## IMAGE DOCUMENTS PROPERTIES

These properties apply to Microsoft Paint and other image processing applications.



1. Click in the Color document handling settings boxes for the options you want.

The options will apply to all the applications in the group.

**Convert Bitmaps using Screen Resolution**—Use this option to ensure that an image will fit on the computer's screen. When a computer screen is set to a lower resolution, bitmap images with a higher resolution may be too big to fit on the screen. Converting the bitmap image to match the screen resolution ensures that the image fits on the screen.

**Convert Bitmaps to JPEG**—JPEG files can be compressed to produce smaller file sizes and, therefore, shorter transmission times. Use this option to provide that compression capability to image files.

2. To add another application to the list, click the **Add Application** button.

See the steps on page 39 to add an application to the list.

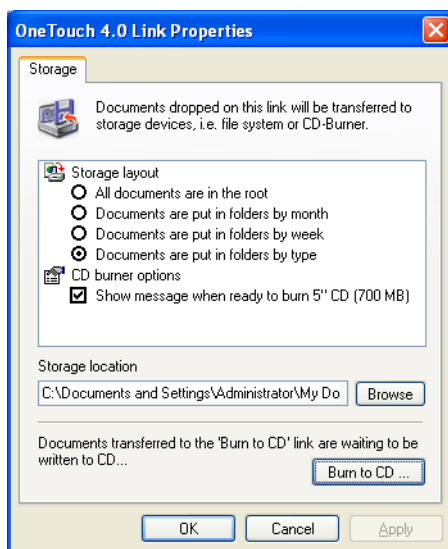
3. Click **OK**.
4. Click **Refresh** on the OneTouch Properties window.
5. Click **OK** or **Apply** on the OneTouch Properties window.

## STORAGE PROPERTIES



These properties apply to the special Destination Application named Transfer to Storage, indicated by the folder icon. This Destination Application is designed for archiving documents with your scanner.

When you scan with Transfer to Storage as the Destination Application, the scanner sends the scanned image directly to the default folder at **C:\Documents and Settings\<your user name>\My Documents\My OneTouch Archive\PDF Documents** without first opening it in an application. The file will be named with the current date. The Storage Properties dialog box is where you can change the storage location on your computer's hard drive, and can also change the names of the folders used to store the files.



1. Click the Storage Layout options you want.

**All documents are in the root**—The scanned documents are saved in the root of the folder specified in the Storage Location.

**Documents are put into folders by month, week, or type**—Folders are created based on your selection (month, week, or type) and the scanned documents are saved in those folders. New folders are created for each month and week so you can keep track of when you scanned the documents.



2. Click the **Browse** button to specify the location to store the scanned documents, or type a location directly into the box.

If you are scanning to a shared network drive, it must be a mapped drive. For more information about mapped drives, see your network administrator.

3. If you have a CD burner attached to your computer, the option **Show message when ready to burn 5" CD (700MB)**, should also be selected so you will see a message when it's time to click the **Burn to CD** button.
4. Click **OK** on the Link Properties window.

If a CD burner is attached to your computer, and your computer is running Windows XP, you can also use this dialog box to start the Burn to CD process. See the section "Scan and Burn to a CD" on page 69.

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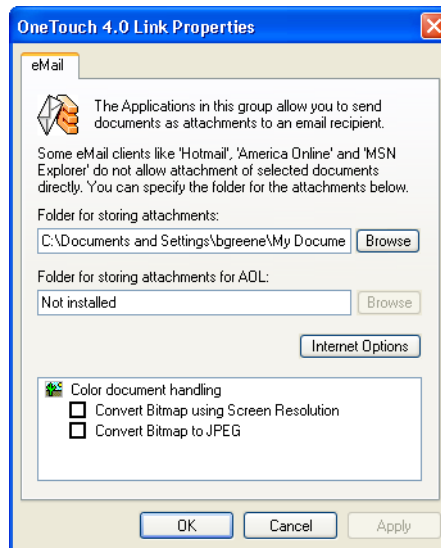
**Note:** If you do not have a CD burner attached to your computer, the CD options are not shown on the dialog box.

---

You can also set up multiple configurations to store scanned items in separate locations. See "The Storage Options Tab (Archive)" on page 64 and "Scanning to Multiple Folders" on page 79.

## EMAIL PROPERTIES

These properties apply to email applications so you can specify the folder for documents you want to attach to an email message. Microsoft Outlook® will accept direct attachment of documents to a blank email message as soon as scanning is finished, but other email applications may not. If you're using one of those applications, such as America Online® (AOL), you need to know which folder contains the scanned documents so you can manually attach them to your email messages.



1. Click the **Browse** button under **Folder for storing attachments** and choose a folder for your email attachments.
2. If you are using AOL on your computer, and the folder name for AOL is incorrect, click its **Browse** button and find the correct AOL folder.

For scanned images to be auto-attached to a blank email address, you must have the specific folder location AOL uses to find the attachments. Please contact AOL for more information about the folder location in which AOL stores attachments.

3. If you need to change your email client, or any other internet options, click the **Internet Options** button.

The Windows Internet Options Control Panel opens. Click the Programs tab and choose a new email client from the Email list. These are the standard Windows Internet options. Please see your Windows documentation for more information about Internet options. If you are using AOL, please see the AOL user manual for making changes to the Internet options applicable to AOL. Click **OK** to close the Internet Options Control Panel.

4. Select the options for color document handling.

**Convert Bitmaps using Screen Resolution**—Use this option to ensure that an image will fit on the computer's screen. When a computer screen is set to a lower resolution, bitmap images with a higher resolution may be too big to fit on the screen. Converting the bitmap image to match the screen resolution ensures that the image fits on the screen.

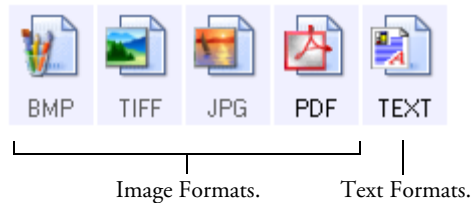
**Convert Bitmaps to JPEG**—JPEG files can be compressed to produce smaller file sizes and, therefore, shorter transmission times. Use this option to provide that compression capability to image files.

5. Click **OK**.
6. Click **OK** or **Apply** on the OneTouch Properties window.

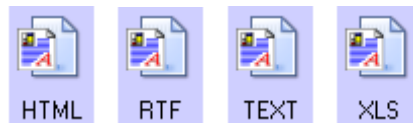
## SELECTING FORMAT OPTIONS

The Format options that you select determines the file format of the scanned document. Appropriate format options are file types available for the type of Destination Application selected.

The available options are for images and text.



The Text Formats are for text file types. The names of the formats indicate their file types. See “Text Formats” on page 49 for details.



## IMAGE FORMATS

Select an image file format for photos, artwork or other documents that you want to save as images. BMP and TIFF are standard image file formats generally used if you want to do additional image processing, such as photo touch-up or color correction. Both of those file formats tend to be larger than the JPEG format.

Because JPEG image files can be reduced in size, the JPEG format is often used for images on web pages, or if file size might be a problem when electronically sending the files. JPEG files are reduced in size by lowering their image quality, and you can select the degree of quality for your scanned images from the JPEG file format icon.

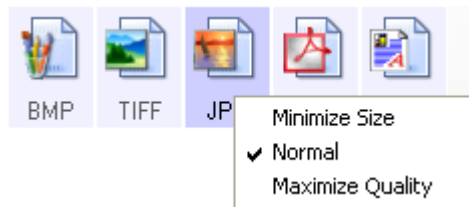
The PDF format is often used to create images of text pages. You may want to select PDF as the format when scanning text pages that do not require OCR processing or other processing. The PDF format is also

used to put multi-page documents on web sites as PDF-readable files. As with the JPEG option, the PDF format can be reduced in size or quality.

**To select a JPEG or PDF file size:**

1. Select **JPG** or **PDF** as the format.
2. Right-click on the **JPG** or **PDF** icon.

A menu opens.



3. Choose the file size/image quality option for your scanned images.

**Minimize Size**—Smallest file size, lowest image quality.

**Normal**—Medium file size, some loss of image quality.

**Maximum Quality**—Largest file size, no loss of image quality.

Your selection pertains only to the Destination Application currently selected on the OneTouch Properties window. Other Destination Applications that have JPG or PDF selected as the Page Format are not affected, so you can set the JPEG or PDF file size and image quality independently of Destination Applications.

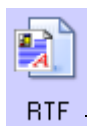
4. Click **OK** or **Apply** on the OneTouch Properties window.

## TEXT FORMATS

Selecting the text format option also selects OCR processing as an automatic step for scanning. Therefore, when you scan a document with the text format selected, the text portions of the document are automatically converted to editable text. See “Scanning with Optical Character Recognition (OCR)” on page 51.

Select a text format for documents with text or numbers, such as a business letter, report, or spreadsheet. The text format icon may have additional file formats available, depending on the Destination Application you select.

The specific file format is the file name extension on the text format icon.



— The specific text format; this example is for Rich Text Format (.rtf).

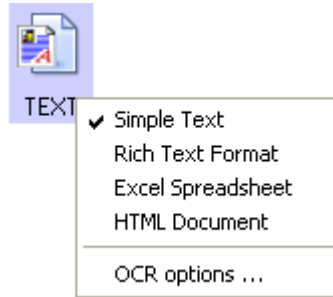
As you select Destination Applications that are text applications, the text format icon changes to match the file type of the application. In some cases, the Destination Application supports several file types, and you can right-click on the icon to choose the particular file type for that application.

### To select a file type for the text format:

1. Select the Destination Application.
2. Right-click on the text format icon.

A menu appears. The following figure shows a sample for the Text format.

Example menu for the Text format.



3. Choose the file type that you want for the text format.

Your selection of a file type pertains only to the Destination Application currently selected on the OneTouch Properties window. Other Destination Applications that have a text option selected as the Page Format are not affected.



**Simple Text**—The .txt file format. Text with no formatting; used by the standard Microsoft Notepad application.



**Rich Text Format**—The .rtf file format. Text that retains formatting when converted. Available with Microsoft WordPad and Word.



**Excel Spreadsheet**—The .xls file format used by Microsoft Excel.



**HTML Document**—The .htm file format used to create web pages.

4. To change the OCR settings, choose **OCR options**. See the next section “Scanning with Optical Character Recognition (OCR).”
5. Click **OK** or **Apply** on the OneTouch Properties window.

## SCANNING WITH OPTICAL CHARACTER RECOGNITION (OCR)

Optical Character Recognition (OCR) converts text and numbers on a scanned page into editable text and numbers. You can then work with the text and numbers to edit, spellcheck, change font or type size, sort, calculate, and so forth.

---

**Note:** Visioneer recommends that all OCR processing use the original factory settings for OCR scanning that come with your scanner. When scanning with other settings, use at least 300 dpi for the resolution. If the original documents are of poor quality and have small type, 400 dpi can be used as the maximum resolution.

---

### To scan with OCR:

1. Select a Destination Application that has one of the Text formats (TEXT, RTF, XLS, or HTML).
2. Scan the document.

Your scanned pages appear in the Destination Application with their text ready for editing and other text processing.

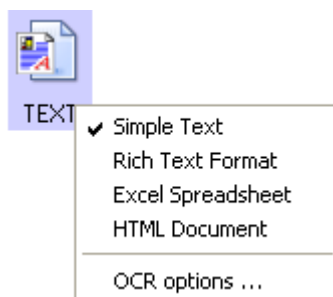
---

**Note:** OCR scanning is also for spreadsheets so you can work in Microsoft Excel (or other spreadsheet applications) with the figures and text from the original spreadsheets.

---

### To select OCR settings:

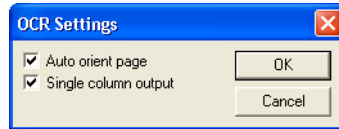
1. Select the Destination Application.
2. Right-click on a text format icon.





3. Choose **OCR options**.

A dialog box of OCR options opens.



4. Select the option you want for the OCR conversion of your documents.

**Auto orient page**—Select this option to check the page orientation and automatically rotate an improperly oriented page image so the text is recognizable by the OCR process.

**Single column output**—Select this option to produce a single column of text in the Destination Application, even if the original image had multiple columns of text.

5. Click **OK**.

Note that the OCR options apply to all the Destination Applications for which OCR applies. If you change them for one Destination Application, those changes apply to the others as well.

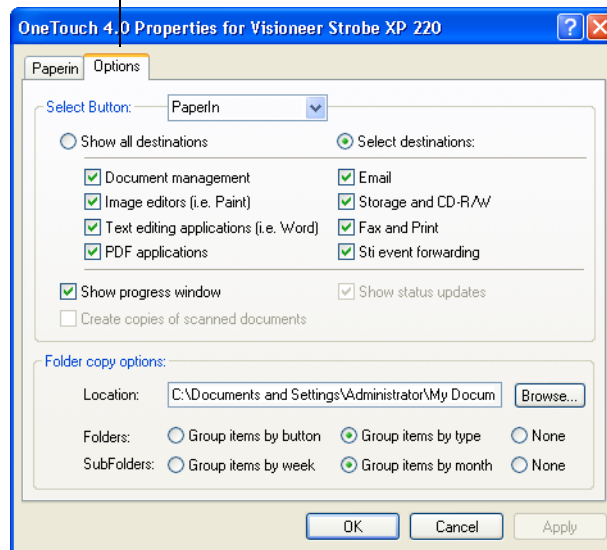
## SELECTING OPTIONS FOR THE ONE TOUCH PROPERTIES WINDOW

The OneTouch Options determine the types of Destination Applications available on the window, as well as the location of the files of your scanned items.

### To select options:

1. Open the OneTouch Properties window and click the **Options** tab.

Options tab.



2. Select options as described below.

**Show All Destinations**—This option selects all the Destination Application categories. The list of Destination Applications available will include all the applications on your computer that fall into these categories. The list also includes printers and other devices connected to your computer so, for example, you can scan an item and have it printed immediately.

**Select Destinations**—Select this option to individually choose the types of applications to include in the list of Destination Applications. Check the boxes for the type of application to include.

- **Document Management** includes PaperPort and other applications for processing and keeping track of your scanned documents.
  - **Image Editors** include Microsoft Paint and other drawing and graphics applications.
  - **Text Editors** include Microsoft Word and WordPad, Microsoft Excel, and other word processing and spreadsheet applications. Select this option if you want OCR processing to convert your scanned documents to text that you can edit.
  - **PDF applications** are for documents scanned to PDF format.
  - **Email** includes Microsoft Outlook and other email applications. See “eMail Properties” on page 45 for details about attaching scanned documents to your email messages.
  - **Storage and CD-R/W** is for either storing scanned documents in a folder, or sending them to a CD burner to create a CD containing the scanned documents. See “Transferring Scanned Documents to Storage” on page 76 and “Scan and Burn to a CD” on page 69 for details.
  - **Fax and Print** is for sending your scanned documents directly to your printer or fax software for faxing.
  - **Sti event forwarding** is for using another application's interface for scanning. The OneTouch Event Forwarding dialog box opens so you can select which application to use to continue scanning. See “Scanning with Event Forwarding” on page 72 for details.
3. After selecting a new category of Destination Applications, click the **PaperIn** tab to see which ones are added to the list. Click the **Options** tab again to return to the options window if you want to change your selections, and choose other options.

**Show Progress Window**—Select this option to display the progress window of the document during scanning.

**Create copies of scanned documents**—Sometimes the image of a scanned document is only saved as a temporary file until its Destination Application is finished using it. In those cases you may want an additional, permanent copy saved on your hard drive.

For example, if you scan a picture to an email application, the scanned image is saved as a temporary file, then attached to the email, and the email is sent. Later, the temporary file of the scanned picture is deleted. The same situation may occur when you scan directly to a printer or scan to a fax application. After a scanned item is printed or faxed, its temporary file is deleted. However, by selecting this **Create copies of scanned documents** option, you can choose to save permanent copies of the scanned items on your hard drive.

The copies will be saved in the folder specified in the Folder Copy Options section (see the description below and the figure on page 64).

This option is not available if either the **Document Management** or **Storage and CD-R/W** options are selected because, by default, file copies for those types of Destination Applications are already automatically saved in the folder for copies.

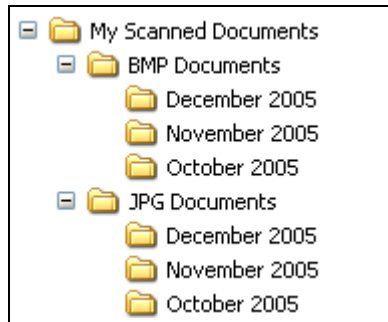
For that reason, this option is not available if the Destination Application is PaperPort because it is a **Document Management** application.

Likewise, the option is not available if the Destination Application is set as Transfer to Storage because it uses **Storage and CD-R/W** software.

**Folder Copy Options**—This section of the dialog box sets the location for copies of your scanned documents and how you want to group them.

Click the **Browse** button and find the folder for the copies. Select the grouping option for the documents. Group by type arranges the scanned documents by the type of file, such as .doc or .jpg. If you also want to group them by date you can choose the week and month options.

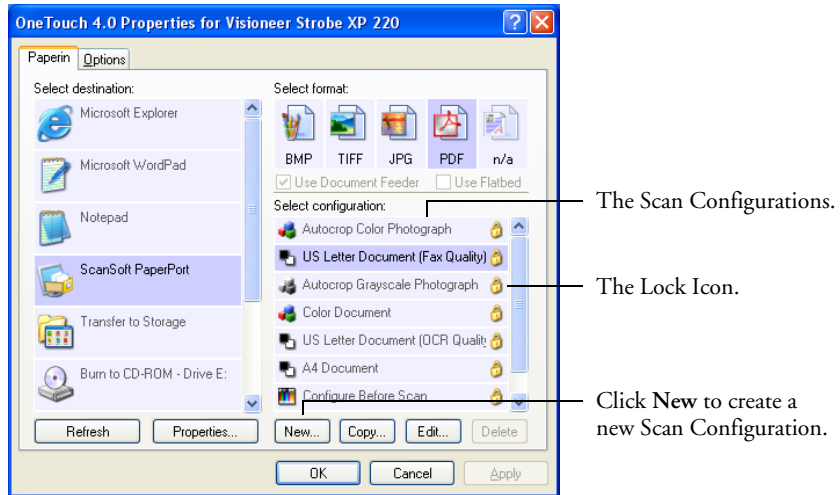
The following example shows the folders when the selections are **Group items by type** and **Group items by month**.



4. Click **Apply** and then click the **PaperIn** tab to see the new settings on the OneTouch Properties window.
5. Click **OK** to save the options and close the window.

## CREATING A NEW SCAN CONFIGURATION

The scan configurations are where you select the scanning resolution, brightness, mode (color, black&white, or grayscale), and a number of other settings.



Note the lock icon on the preset configurations. Although you can unlock and edit the preset configurations, we recommend that you leave them locked, and only add new configurations. That way, you will always have the original factory-set configurations available. New configurations will be unlocked until you manually lock them.

### To create a new configuration:

1. Open the OneTouch Properties window and make sure the **PaperIn** tab is selected.
2. Scroll through the applications in the Select Destination list and click the type of application for which you want to create a new scan configuration.

When you create a new scan configuration, it will appear for the same types of Destination Applications. For example, if you create a new configuration for image editor applications, that new configuration also appears for any other image editors, but not for

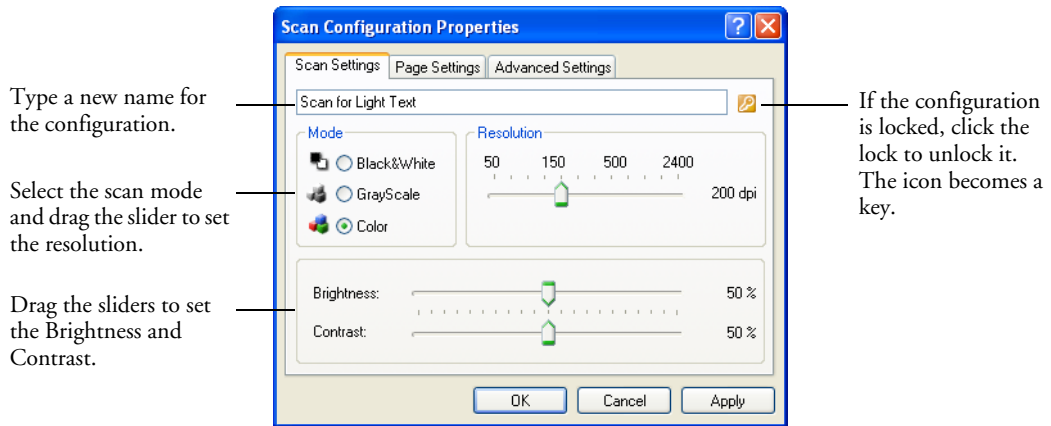
text editing applications. Thus, you can create specific sets of scan configurations for specific functions and they appear only when appropriate.

3. Click the **New** button.

If you want to start from the settings of another configuration, select the configuration, then click the **Copy** button.

The Scan Configuration Properties dialog box opens. If the **Scan Settings** tab is not selected, click it.

4. On the Scan Configuration Properties dialog box, type a name.



**Tip:** If you're going to set up the new configuration for special types of scans, include that in the name, such as "Scan for Dark Print" as a reminder that you designed it for items with dark print.

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**Note:** If you select a printer or other device in the Select Destinations list, the dialog box may have an additional Device Settings tab for setting specific options for the particular device.

---

5. Select scan settings for the new scan configuration.

**Mode**—Select a scanning mode:

- **Black&White** to scan in black and white. For example, letters and memos are usually scanned in black and white. This scan mode produces the smallest file size.
- **GrayScale** to scan items such as documents containing drawings or black and white photographs. The scanning produces an image of up to 256 shades of gray.
- **Color** to scan color photographs and other color items. Color scans have the largest file size.

**Resolution**—Drag the slider to the right or left to adjust the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images.

**Brightness and Contrast**—Sometimes an item is scanned with the brightness and contrast set too light or too dark. For example, a note written with a light pencil may need to be scanned darker to improve legibility.

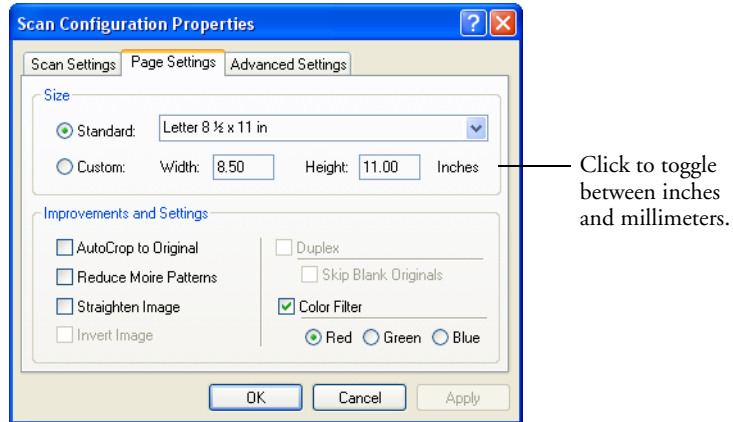
Brightness refers to the lightness or darkness of the image. Contrast is the range between the darkest and lightest portions of the image. The greater the contrast, the more the difference between the lighter and darker shades in the image.

Drag the sliders to the right or left to adjust the brightness and contrast of the scanned image. The Contrast setting does not apply to the Black&White mode.

6. If you want to lock the configuration, click the Key icon to change it from a Key to a Lock.



- Click the **Page Settings** tab to select page settings.



**Size**—Click **Standard**, click the menu arrow and choose a page size from the list, or click **Custom** and enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" by 14". The units of measurement can be inches or millimeters. Click the name of the units, inches or millimeters, to toggle between them.

**Improvements and Settings**—Only the options that apply to the selected Destination Application are available.

- **AutoCrop to Original**—Select this option to let the scanner automatically determine the size of the item being scanned. For example, if you scan a 5" x 7" inch photo, the scanner will determine the size of the photo.

*When using the AutoCrop to Original option, make sure to use the alignment arrows on the scanner so the page is inserted straight.*

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**Note:** Also make sure to set the page size larger than the item that you're scanning so the Autocrop process will have sufficient room on the page to crop the image properly.

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- **Reduce Moire Patterns**—Moire patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations.

Selecting **Reduce Moire Patterns** will limit or eliminate moire patterns in the scanned image. This option is only available for the Grayscale or Color Mode at 300 dpi or less.

- **Straighten Image**—Select this option to let the scanner automatically determine if a page is skewed, and then straighten its image. The scanner detects page edges and can sense when the page is fed through at an angle. However, if the page is fed through at too great an angle the image may not scan correctly. In that case, re-scan the page using the alignment arrows to feed the paper in straight.
- **Invert Image**—Only available for Black&White Mode, this option reverses the black and white of an image.

Original Image.

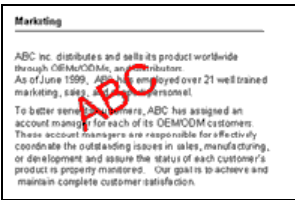


Inverted Image.

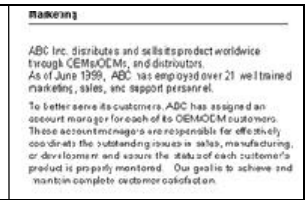


- **Color Filter**—Color filter is the ability of your scanner to automatically remove a color from a scanned item. For example, if you are scanning a letter with a red watermark, you can choose to filter out the red so the scanned letter just shows the text and not the red watermark. Color filter applies to Black&White or GrayScale Mode.

The original with a red watermark over black text.



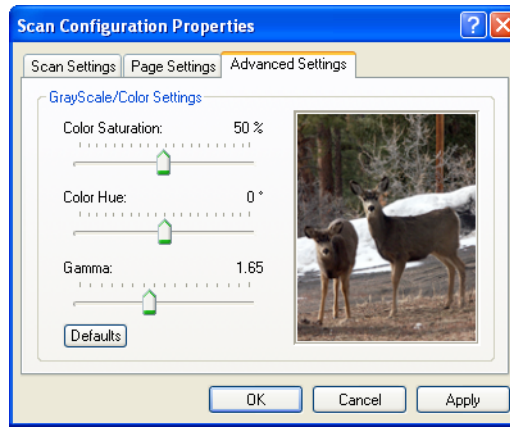
The scanned item with the red filtered out.



8. Click the **Advanced Settings** tab.

The options of the Advanced Settings tab are for the Color or GrayScale scanning mode.

Saturation is the strength or purity of a color, hue is the color your eyes see as reflected from the image, and gamma controls the brightness of the midtones of the color.



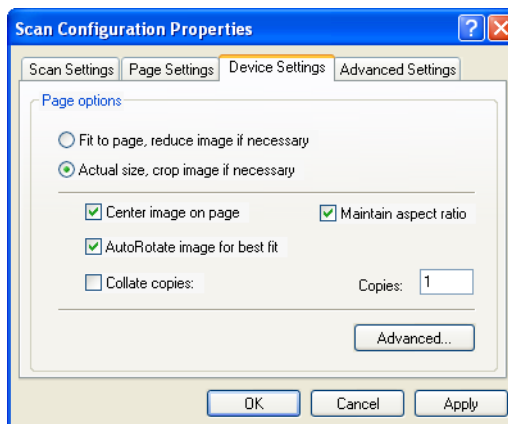
9. Drag the sliders to the left and right to change the color settings. As you do, the image changes to show the effects of the new settings.
10. Click **OK** to save the new configuration.

It will now appear in the list of Scan Configurations on the OneTouch Properties window for the appropriate Destination Applications.

## THE DEVICE SETTINGS TAB

A Device Settings tab appears on the Scan Configurations dialog box when your selected Destination Application sends the scanned image to a printer, fax application, or other device. You use the options on the Device Settings tab to select settings for the device.

1. Click on the **Device Settings** tab.



**Fit to page, reduce image if necessary**—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be reduced to fit the page.

**Actual size, crop image if necessary**—If the scanned image is too big to be printed or faxed on a single page, the image will automatically be cropped around its edges to fit on the page.

**Center image on page**—The image will be printed in the center of the page instead of at the top right corner.

**Maintain aspect ratio**—The aspect ratio is the length-to-width relationship of the image's dimensions. Select this option so the image's relative proportions remain constant.

**AutoRotate image for best fit**—If the image is a Landscape format and the device is printing in the Portrait mode, or vice versa, rotate the image to fit on the page.

**Collate copies**—If you're printing more than one page, collate the copies. Enter the number of copies in the **Copies** box.

**Advanced**—click to see additional settings for the device. The dialog that opens is specific to the device. For example, if the device is your printer, the dialog box is your printer's setup settings.

2. Click **OK** or **Apply**.

## THE STORAGE OPTIONS TAB (ARCHIVE)

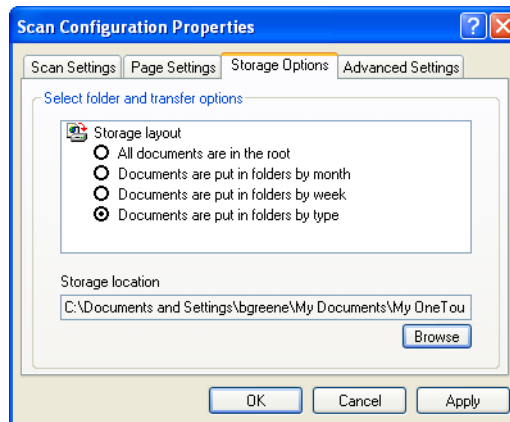
A Storage Options tab is on the Scan Configurations dialog box when the selected Destination Application is set as Transfer to Storage. You use the options on this tab to select where you want to save your scanned items for storage when scanning with that particular Scan Configuration.

---

**Note:** The selections you make using the Storage Options tab override the storage options that apply to the Storage Properties. This means that you can create separate Scan Configurations to store scanned items at various locations in addition to the main location set by the Storage Properties. See “Storage Properties” on page 43 and “Transferring Scanned Documents to Storage” on page 76 for more details.

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1. Click on the **Storage Options** tab.



2. Click the Storage Layout options you want.

**All documents are in the root**—The scanned documents are saved in the root of the folder specified in the Storage Location.

**Documents are put into folders by month, week, or type**—

Folders are created based on your selection (month, week, or type) and the scanned documents are saved in those folders. New folders are created for each month and week so you can keep track of when you scanned the documents. Type refers to the file type selected as the Format on the OneTouch Properties window.

By default, the location of the archived documents is at

**C:\Documents and Settings\<your user name>\My Documents\My OneTouch Archive** then in a folder based on your selection for the Storage Layout. For example, if the file type is TIFF, and you select **Documents are put into folders by type**, the default location of scanned archive documents is at **C:\Documents and Settings\<your user name>\My Documents\My OneTouch Archive\TIFF Documents**.

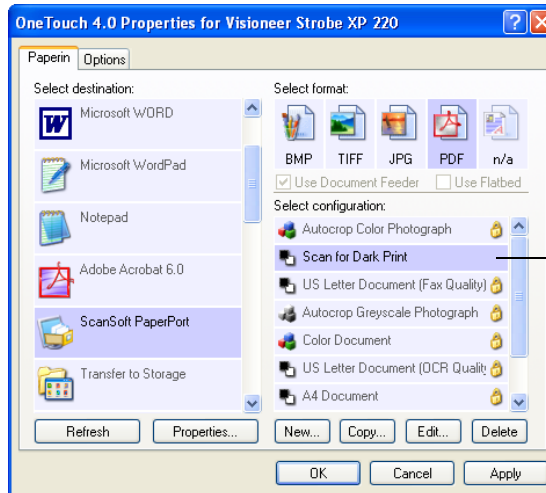
3. If you want to store your archive documents in some other location, click the **Browse** button to specify the new location.
4. Click **OK** or **Apply**.

## EDITING OR DELETING SCAN CONFIGURATIONS

**Note:** Your scanner comes with a number of configurations pre-set at the factory. We recommend that you keep those configurations locked and do not edit or delete them. That way, you will always have the factory settings available. If you do edit or delete them, and want to get the factory pre-sets back again, you will need to uninstall then re-install your scanner.

### To edit or delete a scan configuration:

1. Open the OneTouch Properties window.
2. Select the scan configuration you want to edit or delete.



Select the configuration to edit or delete. It must be unlocked, as indicated by not having a lock displayed here.

3. To delete the configuration, click the **Delete** button.

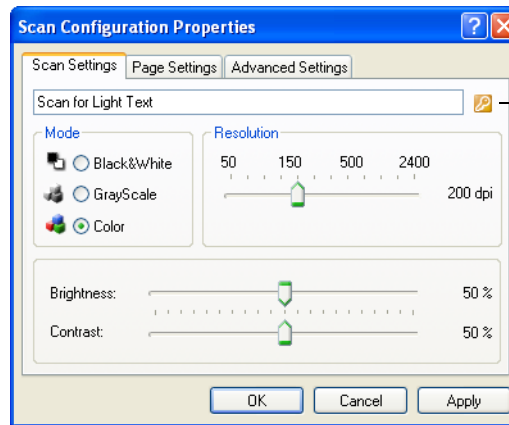
**Note:** If the Delete button is not available, the selected configuration is locked and cannot be deleted. You must first click the **Edit** button and unlock the configuration, as explained in the next steps.

4. To edit the configuration, click the **Edit** button.

The Scan Configuration Properties dialog box opens for that configuration.

You can make changes to a configuration, but for the changes to be saved, the configuration must first be unlocked.

Click the lock icon to unlock the configuration. Clicking it toggles between locking and unlocking the configuration. The Key icon indicates the configuration is unlocked.



Click the Key/Lock icon to toggle between locked and unlocked.

5. Edit the settings and click **OK**.

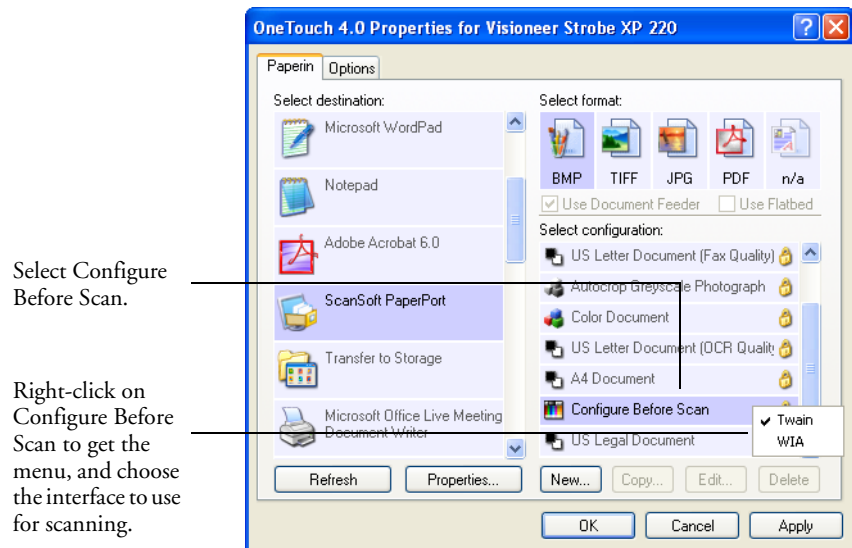


## CONFIGURING BEFORE SCANNING

Configure Before Scan simply opens a scanning interface when you start to scan. You can then use the interface to change the Resolution, Scan Mode, and other settings. When scanning is finished, the scanned image will still be sent as the file type and to the same Destination Application already selected in the OneTouch Properties window.

### To configure before scanning:

1. Open the OneTouch Properties window.
2. Select the scan configuration **Configure Before Scan**.



3. Right-click on **Configure Before Scan** to get the menu, and choose an interface to use for configuring before scanning.

**TWAIN**—The TWAIN Interface will open for you to make changes prior to scanning. See “Scanning from the TWAIN Interface” on page 88.

**WIA**—The Windows Image Acquisition Interface (WIA) will open for you to make changes prior to scanning (available on Windows XP only). See “Scanning from the WIA Interface” on page 105.

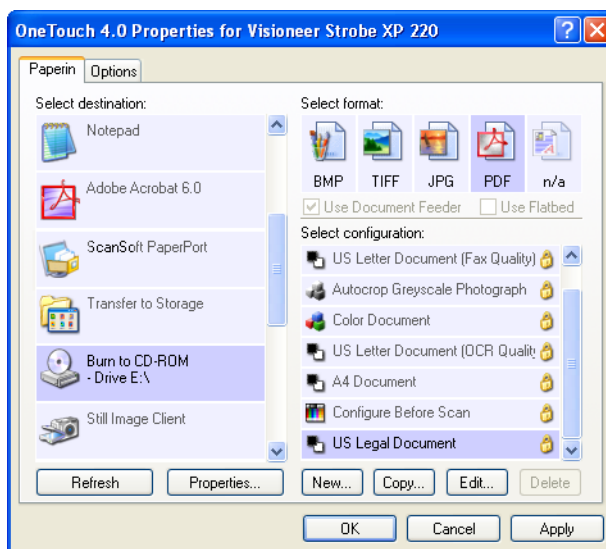
4. Click **OK** or **Apply** on the OneTouch Properties window.

## SCAN AND BURN TO A CD

If you have a CD burner attached to your computer, you can scan directly from your scanner onto a CD. This feature is available only on computers running Windows XP.

### To scan and burn to a CD:

1. Put a blank CD into your computer's CD Drive.
2. Open the OneTouch Properties window.
3. Select **Burn to CD** as the Destination Application.



The Burn to CD Destination Application is only available if you have a CD burner attached to your computer, but you do not need to have a CD in the burner to select the destination.

4. Choose a Format and a Scan Configuration.

Please see the note on page 71 to make sure you choose the proper configuration.

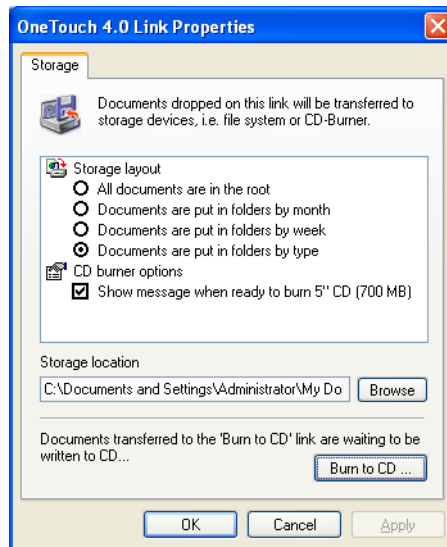
5. Click **OK** or **Apply**.

6. Start scanning a page.

When scanning is finished, a bubble message on the screen tells you that files are waiting to be burned to the CD.

7. Open the OneTouch Properties window and make sure that the **Burn to CD** Destination Application is still selected and click the **Properties** button.

The OneTouch 4.0 Link Properties window opens.



8. Make sure a CD is in the CD burner.
9. Click the **Burn to CD** button.

The CD burner begins and your scanned documents are written to the CD.

---

**Note:** Until you click the **Burn to CD** button the scanned files are stored in your computer at **C:\Documents and Settings\<your user name>\Local Settings\Application Data\Microsoft\CD Burning**. This is where Windows XP stores all files waiting to be burned to a CD by the automatic CD writing wizard. If other files are also waiting in this location, they will get written with the OneTouch files on the CD.

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**Note:** When scanning items to burn to a CD, you should always use one of the factory-set default configurations, or a custom configuration specifically set up for CD burning. The default configurations are already set up to send the scanned images to the proper storage location where the Windows XP CD writing wizard can find the files to burn to the CD. Likewise, when you create a custom configuration for CD burning, the OneTouch software will automatically make sure the storage location is correct.

To create a custom configuration for CD burning, select **Burn to CD** as the Destination Application, then click the **New** button and create the new configuration. You won't need to select a storage location because it will be correctly preset for you by the OneTouch software.

Note however, that if you have created other custom configurations with different storage locations (for example, see "Scanning to Multiple Folders" on page 79), do *not* use them for the **Burn to CD** Destination Application. Otherwise, the Windows XP CD writing wizard will not be able to find the images to burn onto the CD.

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## SCANNING WITH EVENT FORWARDING

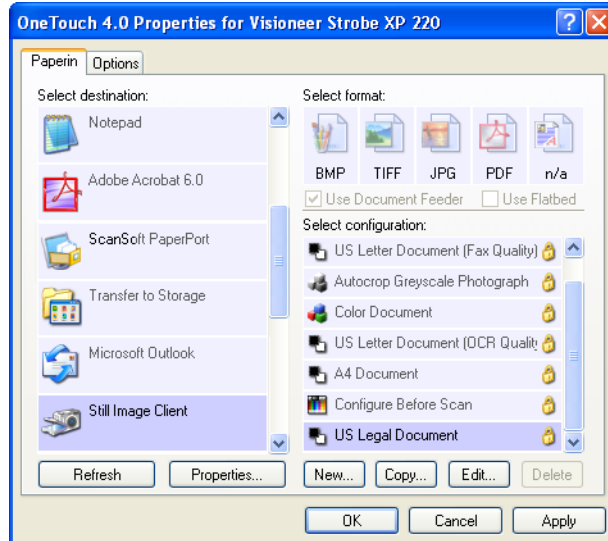
If you want to specify an application to use for scanning at the start of the process, you can use event forwarding. The scanner will feed in the first page, but will then stop until you select the application to use. After you select the application, its interface will open and you can use it to continue with the scanning.

### To scan with event forwarding:

1. Open the OneTouch Properties window.
2. Select **Still Image Client** as the Destination Application.

If Still Image Client is not listed as a Destination Application, click the **Options** tab, select **Sti event forwarding**, then click **Apply** and click the **PaperIn** button again.

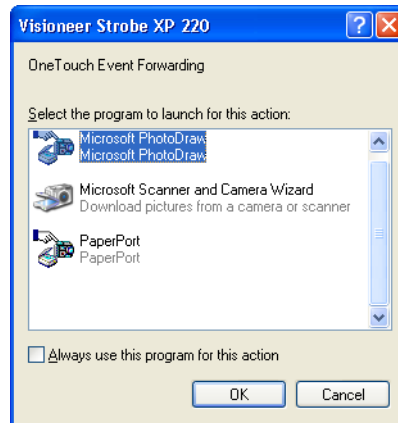
Note that you cannot choose a format for this option because the actual Destination Application is not selected until after the scanner feeds in the first page of your document.



3. Choose a Scan Configuration.
4. Click **Apply** or **OK**.

5. Start scanning a page.

A dialog box opens for you to select the application to use for scanning.



6. Select the application in the box and click **OK**.

Now the application you selected opens and you can continue the scanning from that application's TWAIN interface.

## CREATING AN HTML WEB PAGE FROM YOUR SCANNED DOCUMENTS

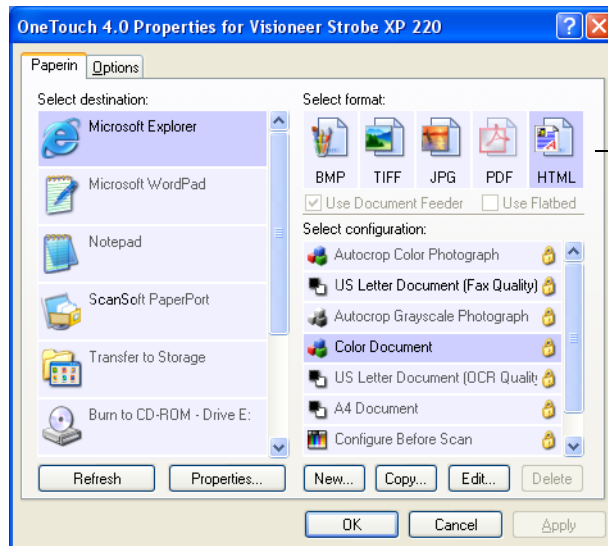
If you scan a document, whether a single page or multiple pages, you can have the pages converted directly to HTML-formatted pages for posting directly to your web site. Those pages are then viewable by visitors to your web site without the need for any internet plug-ins or other special processing. This is, essentially, from your scanner to a web-ready format in one automatic step.

### To scan and create an HTML web page:

1. Open the OneTouch Properties window.
2. Select **Microsoft Explorer** as the Destination Application.

If Microsoft Explorer is not listed as a Destination Application, click the **Options** tab, select **Text editing applications (i.e. Word)**, then click **Apply** and click the **PaperIn** tab again.

3. Choose **HTML** as the Format.



4. Choose a Scan Configuration that has the settings for the image on the HTML page.

For example, if you want the image to be in color on the HTML page, choose a color configuration.

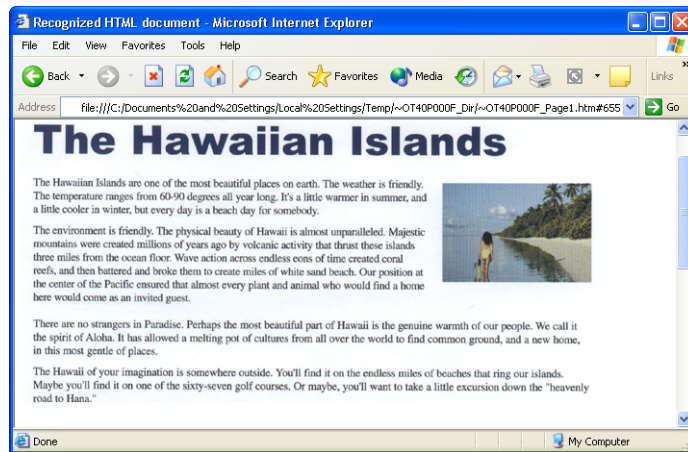
5. Click **Apply** or **OK**.
6. Scan your document.

When scanning is finished, the document is first converted to editable text using the OCR process, and then is converted into an HTML format. Microsoft Internet Explorer then opens showing your converted page.

---

**Note:** Depending on the complexity of the document, its conversion to the HTML format may take a few moments.

---



7. Choose the Internet Explorer **Save As** command, give the page a name, and save it in the location you use for web page files.

You may also want to write down the address shown in the Address bar so you'll know where to find your new HTML page later on.

8. You can now use Microsoft Internet Explorer or other application to post the document to your web page as you would any other HTML page.

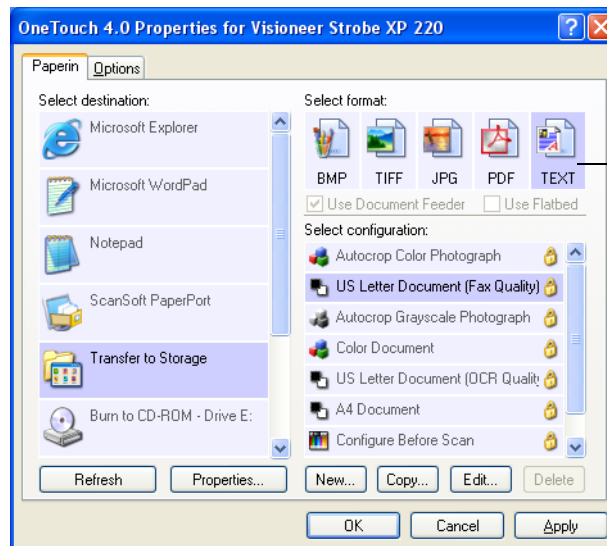


## TRANSFERRING SCANNED DOCUMENTS TO STORAGE

With the Transfer to Storage scanning process, you can scan documents and save them in a folder in one step. The process is ideal for archiving documents without having to manually save or process them in any other way. If you choose a text format for the file format, the documents are also automatically converted by the OCR process into editable text and numbers before being stored.

### To scan and transfer to storage:

1. Open the OneTouch Properties window.
2. Select **Transfer to Storage** as the Destination Application.  
If Transfer to Storage is not listed as a Destination Application, click the **Options** tab, select the option **Storage and CD-R/W**, then click **Apply** and click the **PaperIn** tab again.
3. Choose a text format as the Format if you want the OCR process to convert scanned text to editable text. See the next section "To Use OCR Before Transferring to Storage."

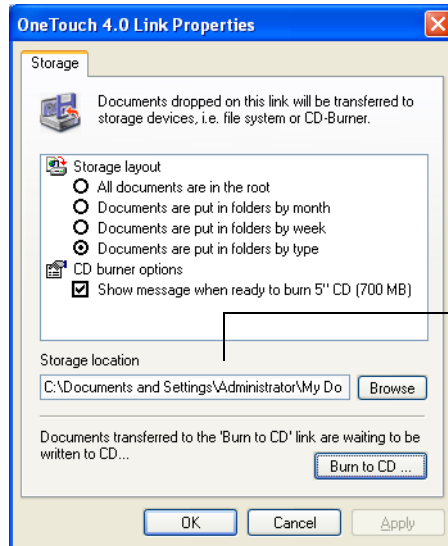


Choose a text format to have the OCR process convert text to editable text before the scanned documents are stored in their archive location.

4. Choose a Scan Configuration for the documents you want to archive.

5. Click **Apply** or **OK**.
6. Now scan the documents.

Your scanned pages are stored in the location that you specified on the OneTouch 4.0 Link Properties window.



Your scanned documents will be stored at this location.

---

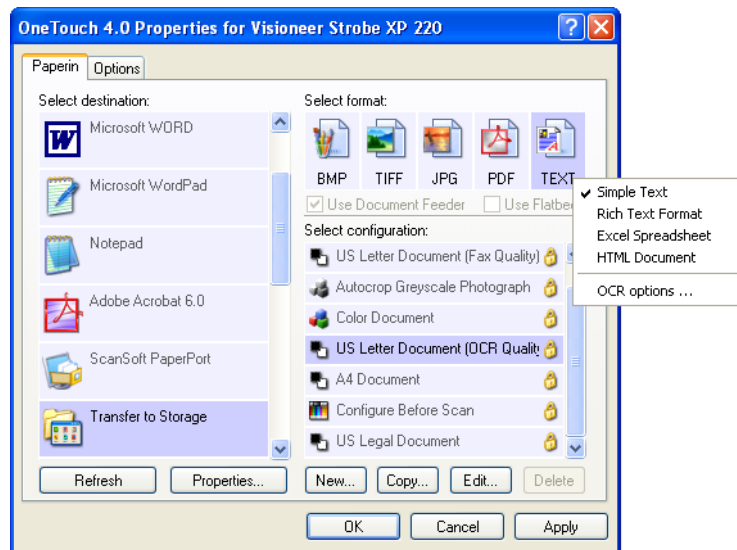
**Note:** The Storage Location shown in the example above is the default place where your scanned documents are stored if you haven't created any new scanning configurations or selected a new storage location. If you create a new scan configuration that has its own storage location and you use that configuration to scan, your scanned documents will be stored at the new location instead of the default.

---

## TO USE OCR BEFORE TRANSFERRING TO STORAGE

If the documents you want to transfer to storage are text documents or spreadsheets, you can have them converted by the OCR process prior to being stored.

1. Open the OneTouch Properties window.
2. Select **Transfer to Storage** as the Destination Application.
3. Choose a text format as the file format.
4. Right-click on the text format icon and choose the file format for the scanned documents.



5. Choose a Scan Configuration.
6. Click **Apply** or **OK**.

Now when scanning with Transfer to Storage as the Destination Application, the documents are saved as OCR-converted text in the selected file format.

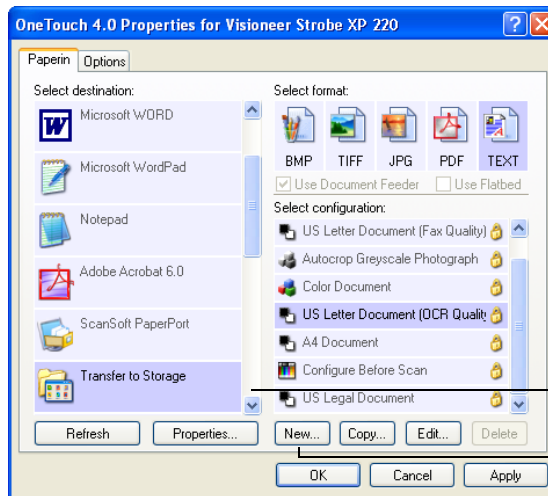
## SCANNING TO MULTIPLE FOLDERS

When archiving documents with the Transfer to Storage option, you can scan them to multiple folders. For example, one folder might be for “Business Receipts,” a second folder might be for “Personal Receipts,” and a third folder might be for “Annual Receipts.”

To scan to multiple folders, you create multiple scan configurations with Transfer to Storage as the Destination Application. Scan one set of documents using the scan configuration with the appropriate storage location for that set. Then switch to another scan configuration and scan the next set of documents to store them in their folder.

### Setting up multiple folders for transfer to storage:

1. Using Microsoft Windows, create the folders that you want to use for storing scanned items. Note that you can also create the folders later while creating the new scan configurations.
2. Open the OneTouch Properties window.
3. Select **Transfer to Storage** as the Destination Application.
4. Click the **New** button.

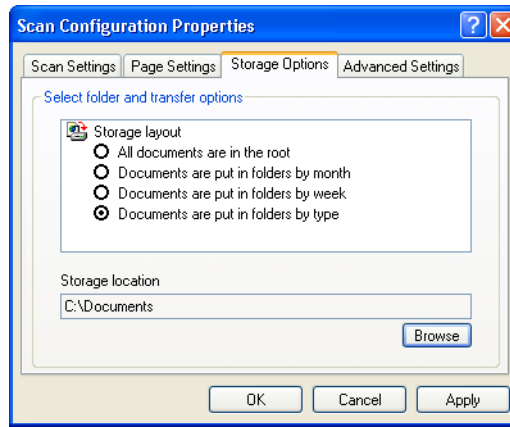


Select Transfer to Storage.

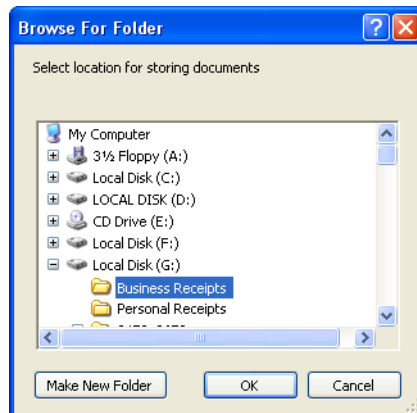
Click the New button.

The Scan Configuration Properties dialog box opens.

5. To help you remember which folder it is, give the new configuration a name that indicates the folder name, such as “Storage for Business Receipts.”
6. Click the **Scan Settings**, **Page Settings**, and **Advanced Settings** tabs, and select the settings you want.
7. Click the **Storage Options** tab.

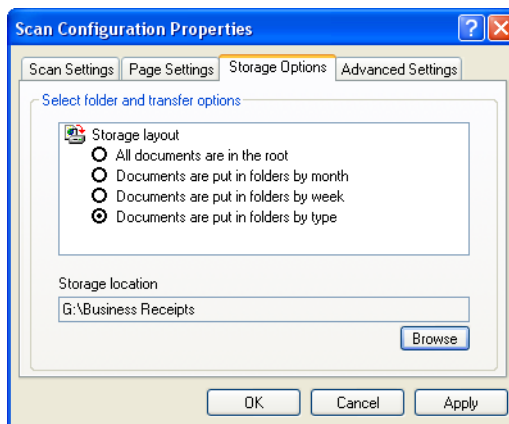


8. Click the **Browse** button.
9. Select the folder you created for storing the scanned documents.



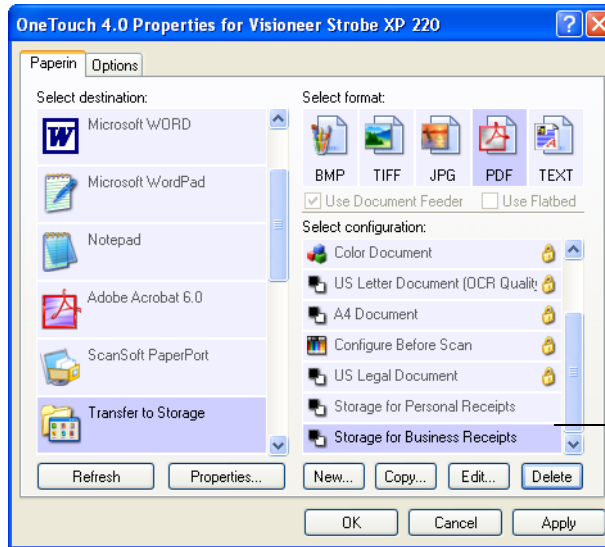
If you haven't created the folder yet, you can click the **Make New Folder** button and type the name for the new folder.

10. Click **OK**. The selected folder will now be set as the Storage Location, such as “Business Receipts.”



11. Click **OK**. The new configuration is now listed as a Transfer to Storage configuration.
12. Repeat the process to create additional new configurations, such as one named “Storage for Personal Receipts.”
13. Make sure to designate separate folders as the Storage Locations for each new configuration.

You will now have multiple configurations set up for the Transfer to Storage destination, and each configuration scans documents to a separate folder.



The new configurations apply to the Transfer to Storage Destination Application.

### Scan to multiple storage folders:

1. Open the OneTouch Properties window.
2. Select one of the configurations you created for storage.
3. Click **Apply** or **OK**.
4. Scan the first set of documents.  
The documents are scanned to the folder specified for the configuration.
5. When scanning is finished, return to the OneTouch Properties window and select the other configuration you created for storage.
6. Click **Apply** or **OK**.
7. Scan the next set of documents.

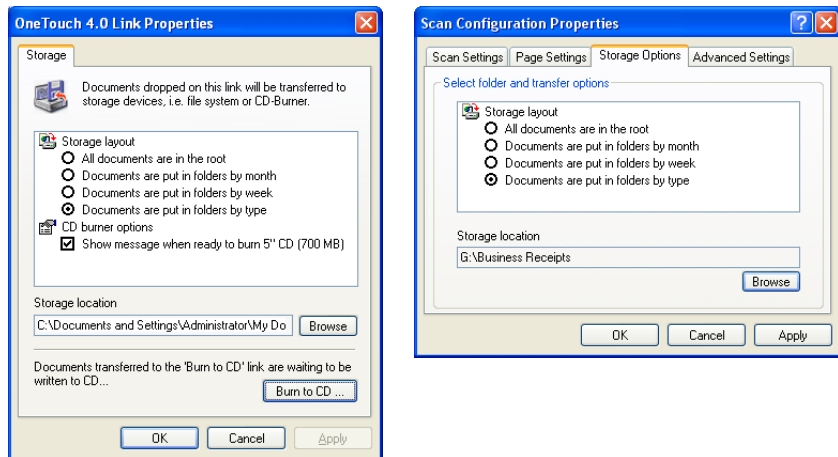
When scanning is finished, the two sets of documents are stored in the two separate folders.

## TO TRANSFER DOCUMENTS TO A SERVER OR MAPPED DRIVE

When selecting the storage location for scanned documents, you can select a local folder, or a folder on a server or mapped drive. You select a mapped drive using the **Browse** button.

1. See “Scanning to Multiple Folders” on page 79 or “Transferring Scanned Documents to Storage” on page 76 for the steps to select the Transfer to Storage options.

On either the OneTouch 4.0 Link Properties window, or from the Scan Configuration Properties window, click the **Browse** button.



The Browse For Folder window opens.



2. Select a storage location on the mapped drive or server for the scanned documents.

Servers and mapped drives are represented by an icon that indicates its network connection.



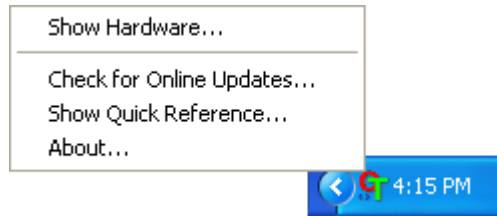
Select a mapped drive or server as indicated by the icon.

3. Click **OK**.

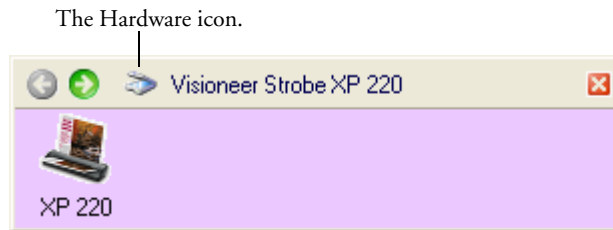
Now when you scan using Transfer to Storage as the Destination Application, the documents are stored on the server or mapped drive.

## CHECKING THE HARDWARE

1. Right-click on the OneTouch icon and choose **Show Hardware** from the pop-up menu.

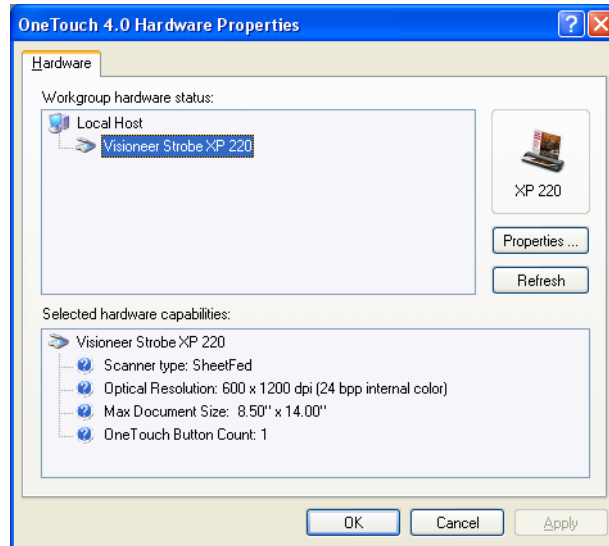


You can also click the Hardware icon at the top of the OneTouch Panel.

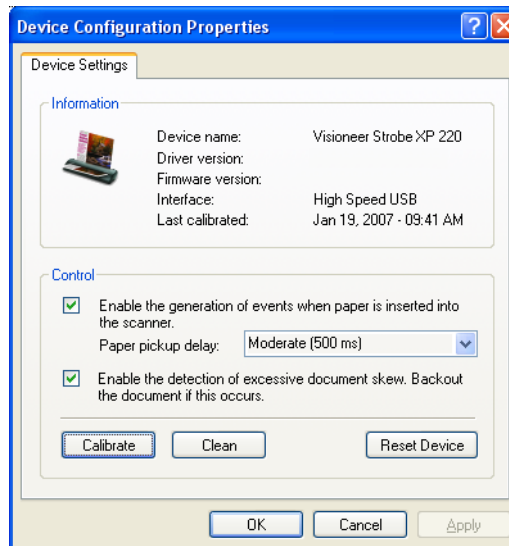


If the Hardware View of the panel is open you can also right-click on the Vioneer Strobe XP 220 icon.

The Hardware Properties dialog box opens and shows information about your Vioneer Strobe XP 220 scanner.



2. Click the **Properties** button.



The Interface information refers to the USB port where your scanner is connected. The scanner automatically detects the type of USB port and displays the information here. The example above shows a scanner connected a USB 2.0 High Speed port. Your scanner can also connect to a USB 1.1 Full Speed port.

1. The option **Enable the generation of events when paper is inserted into the scanner** turns on your scanner's "AutoLaunch" feature. The scanner senses when an item is inserted into the page feed, grabs the item, and feeds it in automatically.

If this option is not selected, the scanner will still grab the item, but will then wait to start scanning until you click the PaperIn button on the OneTouch panel, or start the scan using one of the other scanning interfaces.

If the "AutoLaunch" option is selected, the **Paper pickup delay** also becomes available. The **Paper pickup delay** is the amount of time you want the scanner to wait until it feeds the item into the scanner to start scanning.

2. To set the **Paper pickup delay**, click the drop-down arrow and choose from the list of options. The settings are in milliseconds, so 1250 ms is 1.25 seconds.
3. The option **Enable the detection of excessive document skew. Backout the document if this occurs**, is for sensing if a document is being fed into the scanner skewed to such an extent that the scan image will be degraded.

If this option is selected and you insert a document skewed, the scanner will start to scan, but then scanning will stop and the document will back out of the page feed so you can re-insert it straight.

4. Click **OK** to enable the new settings.
5. To return the scanner to its original factory settings, click **Reset Device**.

---

**Note:** The **Calibrate** and **Clean** buttons are for maintaining your scanner in optimum operating condition. See "Maintenance" on page 110 for the steps to calibrate or clean your scanner.

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# Scanning from the TWAIN Interface

In addition to scanning from the OneTouch software, you can scan from TWAIN software. The PaperPort software that you received with your scanner uses the TWAIN interface for scanning. This scanning method is particularly helpful when you're using PaperPort to file and save scanned items, or if you want to preview an image and adjust scanning settings prior to scanning.

**A Note About Your Scanner and the TWAIN standard:** TWAIN is a widely recognized procedure that software applications use to receive images from scanners, digital cameras, and other digital devices. The PaperPort software you received with your scanner uses the TWAIN standard, and this guide shows how to scan with it. But you can also open the same TWAIN interface from many other graphics and imaging applications and scan from them as well. Because the TWAIN interface is the same regardless of the software you use to open it, you can still use the instructions in this *User's Guide* for scanning with your Visioneer Strobe XP 220 scanner. To access the TWAIN interface from other software, please refer to their user's guides, then return to this *User's Guide* for the steps to scan.

---

**Note:** You can also access the TWAIN interface when you're scanning from the OneTouch software. If the OneTouch configuration you're using to scan is set to **Configure Before Scan**, and the selected option is **TWAIN**, the TWAIN interface opens right away without opening PaperPort or any other TWAIN-compliant software first. See the section "Configuring Before Scanning" on page 68 for details.

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## ACCESSING THE TWAIN INTERFACE FROM PAPERPORT

The instructions in this section are for using PaperPort to access the TWAIN interface to scan.

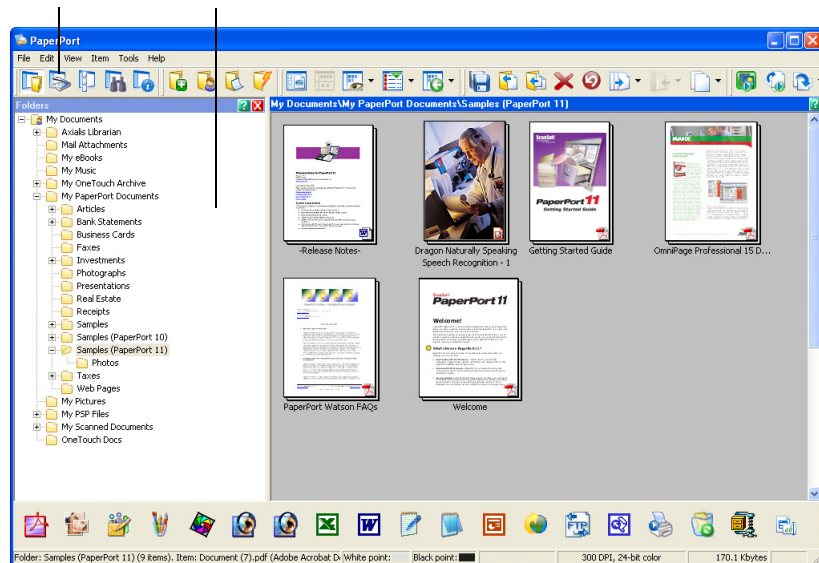
### To access the TWAIN interface from PaperPort:

1. On the Windows taskbar, click **Start**, point to **Programs**, point to **ScanSoft PaperPort**, then click **PaperPort**.

The PaperPort desktop opens with its Folders Pane. The Folders Pane shows folders for organizing your scanned images.

Scan or Get  
Photo icon.

Folders Pane.



2. Click the **Scan or Get Photo** icon on the PaperPort command bar to switch to the Desktop's Scan Pane.

---

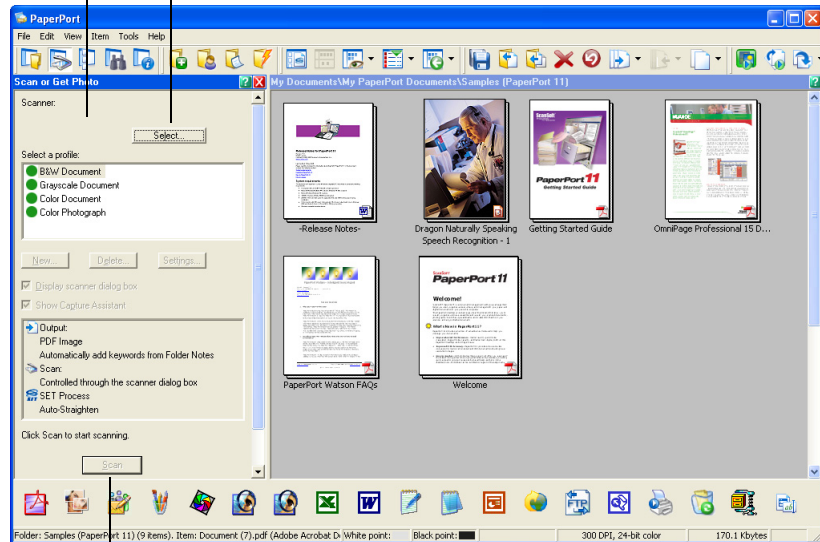
**Note:** The first time you open PaperPort, no scanner will be listed in the Scan Pane. You must select the scanner to use. Later on, however, you can skip that step unless you want to use another scanner.

---

The Folders Pane is replaced by the Scan Pane.

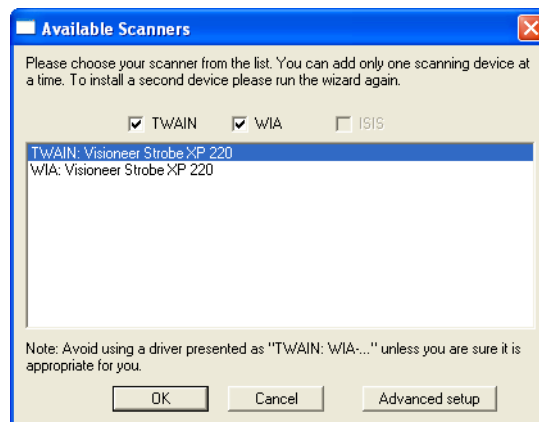
Scan pane.

Click Select to see the available scanners.



If this Scan button is not active when you select a scanner, see the section on page 98 to set up your scanner to work with PaperPort.

3. If no scanner is shown on the Scan Pane, the **Available Scanners** window opens. If a scanner already listed in the Scan Pane, but you want to choose another one, click **Select** to open the window.



4. Select **TWAIN: Visioneer Strobe XP 220**.

The **WIA: Visioneer Strobe XP 220** option is for using the WIA interface.

5. Click **OK**.

A Confirm Selection message box appears.

6. Click **OK** on the message box.

---

**Note:** Please wait a few moments for your selection to become active. This delay only occurs the first time you select a scanner while PaperPort initializes it. Later on, the scanner initializes immediately when you select it.

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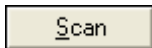
---

**Note:** If the Scan button at the bottom of panel is not available when you make a selection, then your scanner needs to be set up to work with PaperPort. See the section, “Setting Up Your Scanner to Work with PaperPort” on page 98.

---

7. Make sure the option **Display scanner dialog box** is selected.

If this option is not selected, the TWAIN interface will not open when you click the **Scan** button. Instead, the items are scanned with the PaperPort scan profile selected on the Scan Pane.



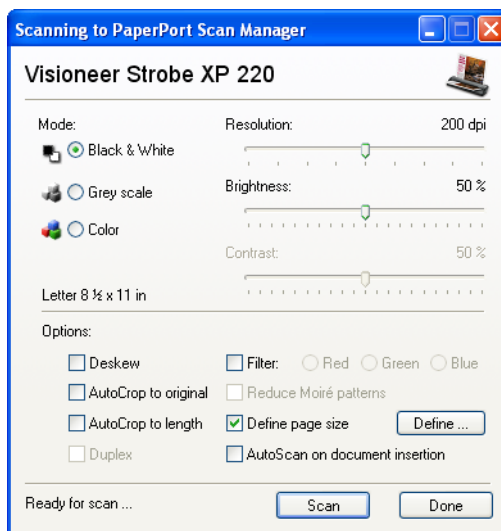
8. Click the **Scan** button on the Scan Pane.

The TWAIN interface opens. You're ready to start scanning.



## USING THE TWAIN INTERFACE TO SCAN

The following figure shows the TWAIN interface for scanning from PaperPort and other applications that use the TWAIN standard. Note that some of the options on the window may not be available, and will be greyed out if they are not appropriate for your scanner.



The options for the Visioneer Strobe XP 220 TWAIN interface are:

■ **Mode**—Select a scanning mode:

**Black&White** to scan in black and white. The scanning pixels are all the same size and are either black or white. Use this setting for letters, memos, and other black and white material. This scan mode produces the smallest file size.

**Greyscale** to scan items such as documents containing drawings or black and white photographs. The scanning produces an image of up to 256 shades of gray. You can also scan a color document to turn its colors into gray shades. The file size is about one third that of a color scan.

**Color** to scan magazine articles, photographs, and other color images in full color. Color scans have the largest file size.

- **Resolution**—Drag the slider to the right or left to adjust the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. This option determines the amount of detail you can see in the scanned image. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images. Usually the higher resolution settings are used for precision work, such as photographs or fine artwork.
- **Brightness and Contrast**—Sometimes an image is scanned with the brightness and contrast set too light or too dark. For example, a note written with a light pencil may need to be scanned darker to improve legibility. Increasing or decreasing the brightness makes the scanned image lighter or darker. Contrast refers to the difference between the lighter and darker portions of the image. Increasing the contrast emphasizes the difference between the lighter and darker portions, decreasing the contrast de-emphasizes that difference. Contrast is used in conjunction with brightness.
- **Deskew**—Select this option to let the scanner automatically determine if a page is skewed when inserted into the page feed, and then straighten its image. The scanner detects page edges and can sense when the page is fed through at an angle. However, if the page is fed through at too great an angle, the page will back out of the scanner automatically. In that case, feed the paper in straight and re-scan the image.
- **AutoCrop to Original**—Select this option to let the scanner automatically determine the size of the item being scanned. For example, if you scan a 5" x 7" photo, the scanner will determine the size of the photo, and the scan area is the size of that photo.

*When using the AutoCrop to Original option, always use the alignment arrows on the scanner to align the page so it is not skewed.*

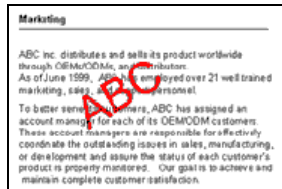
---

**Note:** Also make sure to set the page size larger than the item that you're scanning so the Autocrop to Original process will have sufficient room on the page to crop the image properly.

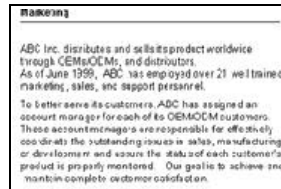
---

- **AutoCrop to Length**—Select this option to let the scanner automatically crop the scanned document from the top to the bottom edge of the page, affecting only the length of the document. The width of the scan area is not affected. The scan width is determined by the chosen page size.
- **Filter**—The Filter is the ability of your scanner to automatically remove a color from a scanned item. For example, if you are scanning a letter with a red watermark, you can choose to filter out the red so the scanned letter just shows the text and not the red watermark. The Filter option applies to Black&White or Greyscale Mode.

The original with a red watermark over black text.

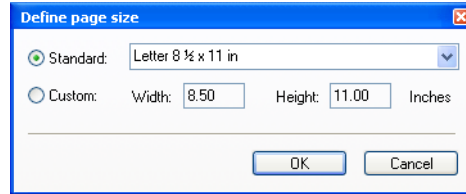


The scanned item with the red filtered out.



- **Reduce Moire Patterns**—Moire patterns are wavy, rippled lines that sometimes appear on the scanned images of photographs or illustrations, particularly newspaper and magazine illustrations. Selecting **Reduce Moire Patterns** will limit or eliminate moire patterns in the scanned image. This option is only available for the Greyscale or Color Mode at 200 dpi or less.

- **Define page size**—Click this option to activate the **Define** button. Then click the **Define** button to see the **Define page size** dialog box for selecting a specific page size.



Click **Standard**, click the menu arrow and choose a page size from the list, or click **Custom** and enter the horizontal and vertical page dimensions in the boxes. The maximum size is 8.5" x 14". The units of measurement can be inches or millimeters. Click the name of the units, inches or mm (millimeters), to toggle between them.

Click **OK**.

The currently selected page size appears in the middle of the TWAIN interface on the lefthand side.

The Define page size option cannot be used with **AutoCrop to Length** or **AutoCrop to Original** options.

- **AutoScan on document insertion**—Your scanner includes AutoLaunch technology that senses when an item is inserted into the page feed and starts scanning immediately. Select this option to turn on the AutoLaunch feature. The item is scanned with the current scan settings on the TWAIN interface. If this option is not selected, the scanner waits for you to click the **Scan** button.

9. When you're ready to scan, align the document between the alignment arrows, and insert it into the page feed *face up*.



Scan

Done

10. Click the **Scan** button (if the AutoScan feature is not turned on).  
The scanner starts scanning and a progress box shows the image.
11. Click the **Done** button on the TWAIN interface when the scanning is finished, and then click **Done** on the **PaperPort-Scan** window.

**PaperPort - Scan**

1 page scanned

If item has more pages, continue scanning.

For 2-sided pages, scan side 1 of all pages. Then, flip the document over, and scan the other side of the pages.

Subject: (comments)

Author:

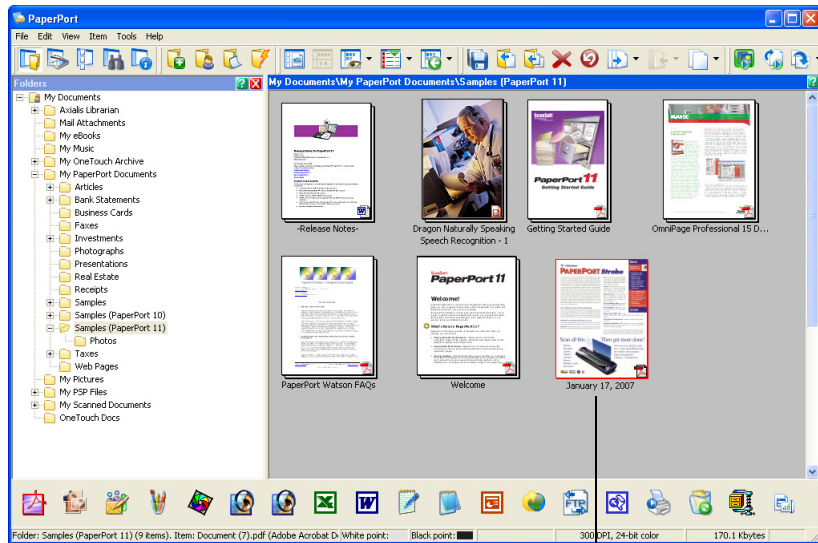
Keywords:

Document name:

To scan additional pages, click **Scan More Pages**.

To scan the other side of a page, click **Scan Other Side**. The TWAIN interface opens again. Flip the page over and click **Scan** on the TWAIN interface.

When scanning is complete, thumbnail images appear on the PaperPort Desktop



A thumbnail image of the scanned item appears on the PaperPort desktop.

## GETTING HELP WITH THE PAPERPORT SOFTWARE

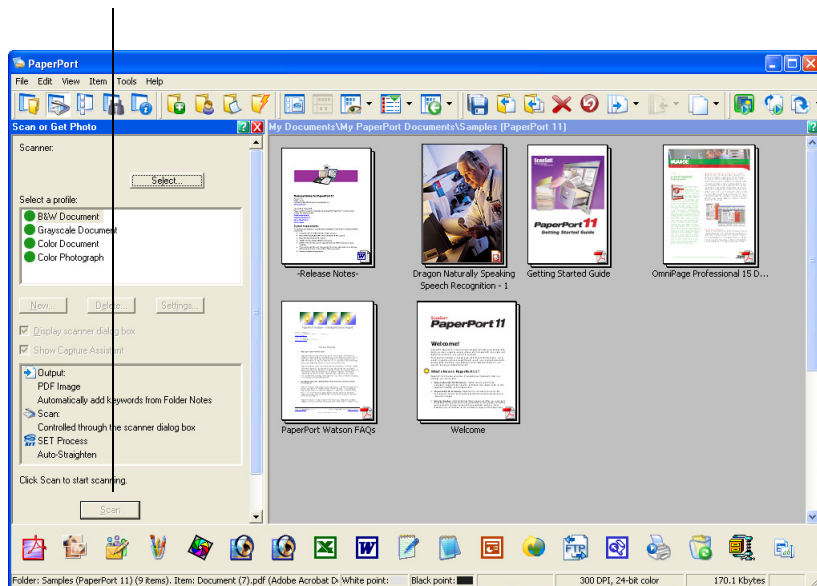
The PaperPort software includes a complete set of help topics that answer questions about each feature of the software. To open the Help Topics window, press the **F1** key or choose **PaperPort Help** from the **Help** menu.

You can also refer also to the *PaperPort Getting Started Guide* and *PaperPort User's Guide* on the CD.

## SETTING UP YOUR SCANNER TO WORK WITH PAPERPORT

On the PaperPort Scan Pane, when you selected a scanner from the **Available Scanners** window, the **Scan** button at the bottom of the panel should become active after approximately 5 to 10 seconds. If it doesn't, you need to set up your scanner to work with PaperPort.

If this Scan button is not active, you need to set up your scanner to access PaperPort.




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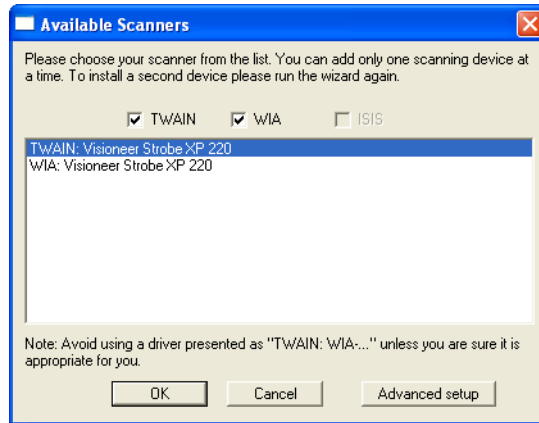
**Note:** Setting up your scanner is a one-time-only process for each option listed in the **Available Scanners** window. Therefore, you may have to set up your scanner once each for **TWAIN: Visioneer Strobe XP 220** and **WIA: Visioneer Strobe XP 220**. The setup process is the same for each option. You will not have to set up the scanner again unless you uninstall the scanner and PaperPort software, then re-install them.

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**To set up your scanner to work with PaperPort:**

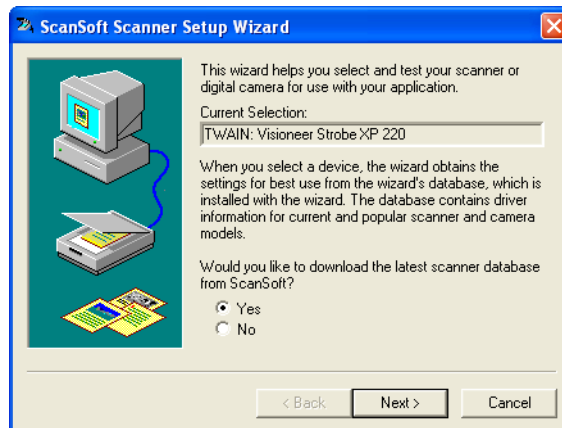
1. On the TWAIN Scan Pane, click the **Select** button.

The Available Scanners window opens.



2. Select one of the scanner options, such as **TWAIN: Visioneer Strobe XP 220**.
3. Click the **Advanced setup** button.

A window opens to begin the setup process.





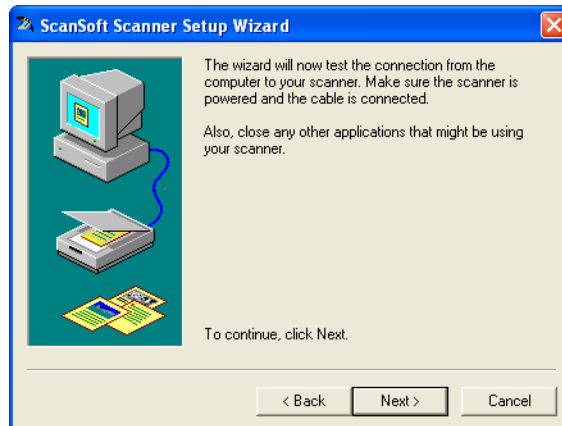
4. Click **Yes** then click **Next**.

The next window offers you the option to run hardware diagnostics.



5. Click **Yes (recommended)** then click **Next**.

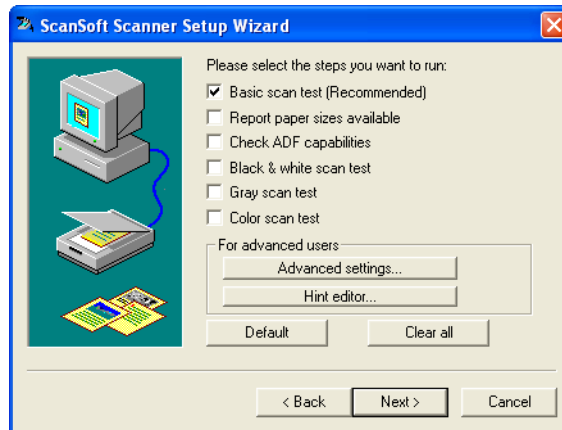
The next window is for checking the connection between your scanner and the computer.



6. Click **Next**.

After the Setup Wizard checks the connections, the next window is displayed. It has a series of setup options, but only the Basic scan test is necessary because your scanner was already tested when you installed the OneTouch 4.0 software.

If other tests are checked, click in their boxes to uncheck them.



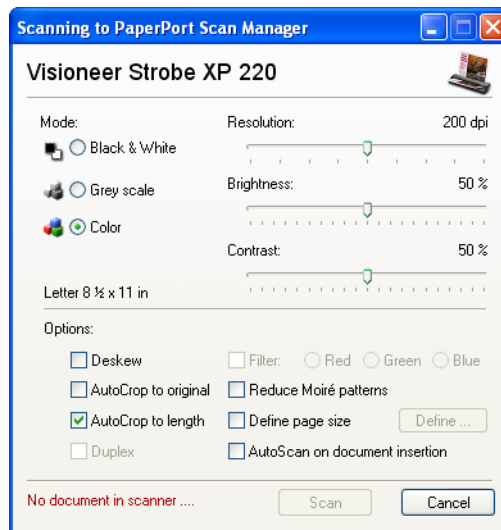
7. Click **Next**.

*Although the next window instructs you to insert a page into the scanner, do NOT insert the page yet. Because your scanner has its AutoLaunch feature, if you insert the page now, it will scan before the Scanner Setup Wizard is ready.*



8. Without inserting a page in the scanner, simply click **Next** on the window to proceed.

The TWAIN interface opens.




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**Note:** If you are setting up your scanner for the WIA scanning option, the WIA interface opens instead.

---

9. Choose one of your documents to use for the setup and select the scan mode for it. For instance, if you want to use a color photo for the setup, select the Color scan mode.

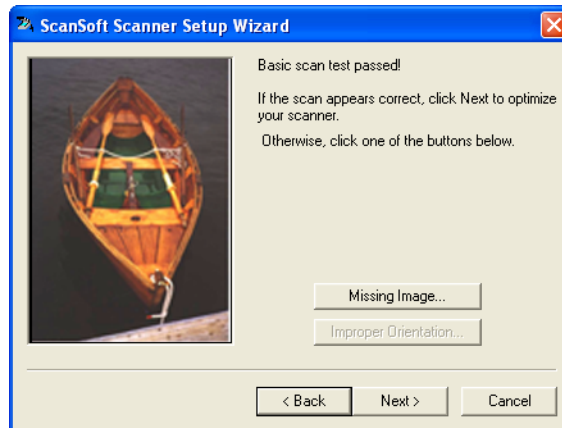
Note that the **Scan** button is not active yet and a message at the bottom of the window tells you that no document is in the scanner.

10. Now insert a page into the scanner, *face up*. The scanner will grab the page but will not start the scan yet. The **Scan** button on the TWAIN interface will become active.



11. Click the **Scan** button on the TWAIN interface.

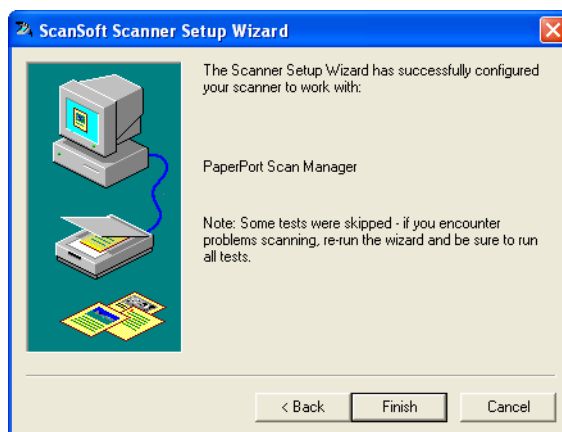
Scanning begins and the Setup Wizard runs the scan test. Then a window opens that says “Basic scan test passed.”



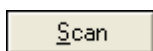
If the scanned image does *not* appear in the window, click **Missing Image**. A window will open for you to retry the scan. Click **Next**, then insert the page and click the **Scan** button on the TWAIN interface again.

12. Click **Next** on the “Basic scan test passed” window.

The final Setup window opens to let you know the setup process is finished.



13. Click **Finish**.



Your scanner is now set up for the scanning option you selected (in the example above, it's the TWAIN option) and the **Scan** button on the PaperPort window will now become active.

# Scanning from the WIA Interface

Microsoft Windows XP includes its own scanning interface—known as Windows Image Acquisition (WIA)—for acquiring images from scanners, digital cameras, and other digital devices.

This section shows how to use Microsoft Paint to scan using the WIA interface, but you can use PaperPort and other Windows applications as well.

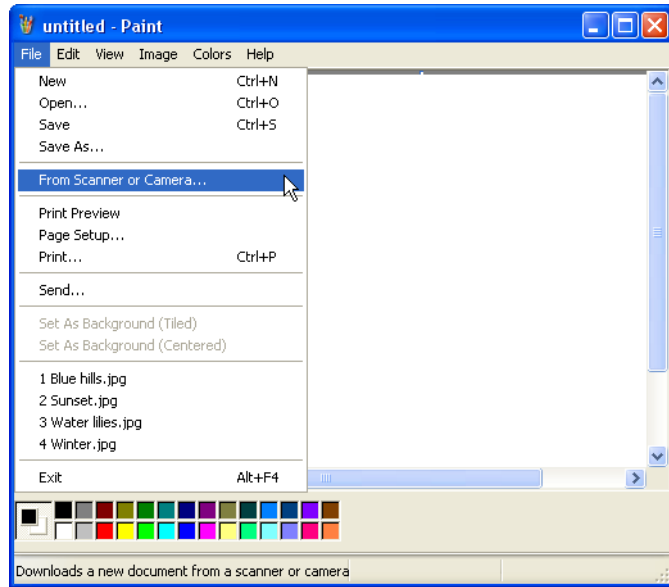
---

**Note:** Scanning with the Windows Image Acquisition (WIA) is only available if your computer is running Windows XP.

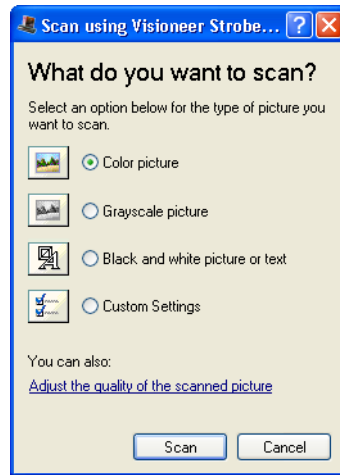
---

**To scan using WIA from Microsoft Paint:**

1. On the Windows taskbar, click **Start**, point to **Programs**, point to **Accessories**, then click **Paint**.
2. From the **File** menu choose **From Scanner or Camera**.



The WIA scan window opens. Use this window to select scanning options and start the scan process.



3. Click the button most appropriate for the item you're scanning.  
To scan with the Custom Settings option see the next section, "Fine Tuning Your Scans".
4. Align the document between the alignment arrows and insert it, face up, into the page feed.



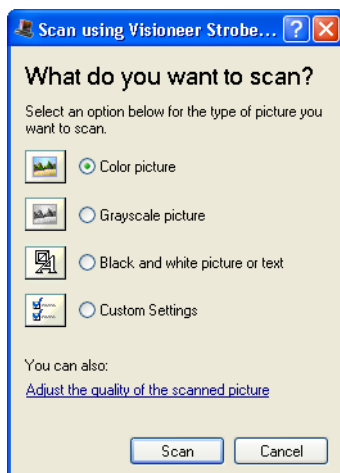
5. Click the **Scan** button.
6. The scanned images will appear in Microsoft Paint (or other WIA application you're using).



## FINE TUNING YOUR SCANS

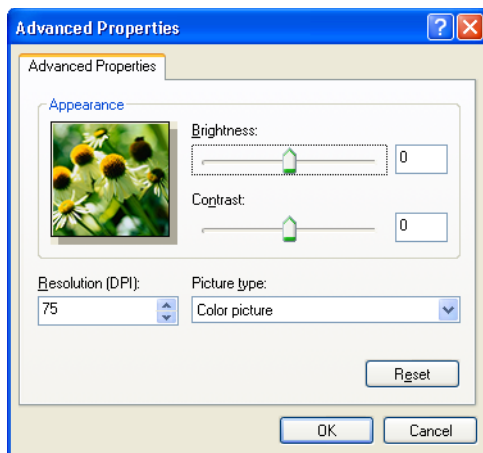
You can select new settings before you scan an item to fine tune exactly how you want to scan it.

**To select the scanner settings before you scan:**



1. On the scan window, click **Adjust the quality of the scanned picture**.

The Advanced Properties dialog box opens.



2. Select the options for scanning.

**Brightness** and **Contrast**—Drag the sliders to the right or left to adjust the brightness and contrast of the scanned image. The Contrast setting does not apply to the setting **Black and White picture or text**.

**Resolution (DPI)**—Click the menu arrow and choose the dots per inch (dpi) of the resolution. The maximum resolution is 600 dpi; the minimum is 50 dpi. The higher the dpi setting, the sharper and clearer the scanned image. However, higher dpi settings take longer to scan and produce larger files for the scanned images.

**Picture type**—Click the menu arrow and choose the most appropriate type for the item you're scanning.

3. Click **OK**.

The Custom Settings button is now set to scan with the options you selected.

If you want to reset the settings and start over, click **Reset**.

# Maintenance

This chapter contains information on recalibrating, cleaning, troubleshooting, uninstalling, and scanner specifications.

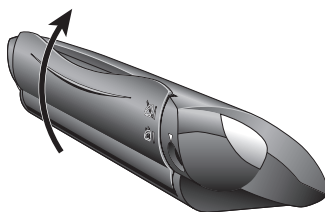
## RECALIBRATING AND CLEANING YOUR SCANNER

You calibrated your scanner during installation, but after many hours of use you may find that scanned images may not be as sharp and clear as when you began using the scanner. In that case, recalibration may solve the problem.

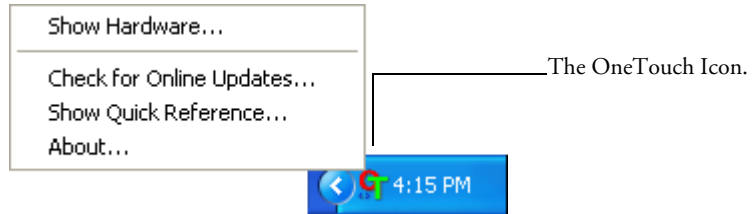
If your scanned images have streaks, smudges, or dirt spots, you may need to use the Cleaning Paper that you received with the scanner.

### **To recalibrate your scanner:**

1. Move the scanner's Paper Return into the Up position so the calibration paper will feed straight through the scanner.

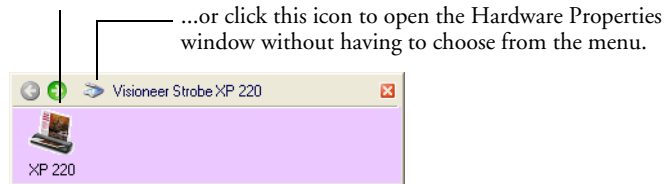


2. Use any one of the following methods to start the recalibration or cleaning:
  - *Right-click* on the OneTouch icon in the Windows Notification Area (at the bottom right corner of the screen) and choose **Show Hardware** from the pop-up menu.

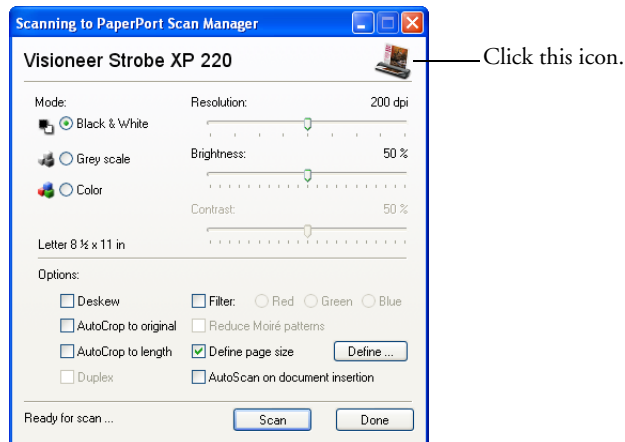


- Click the small scanner icon on a OneTouch Panel, or right-click the scanner icon on the OneTouch Hardware Panel to open the Hardware Properties window right away.

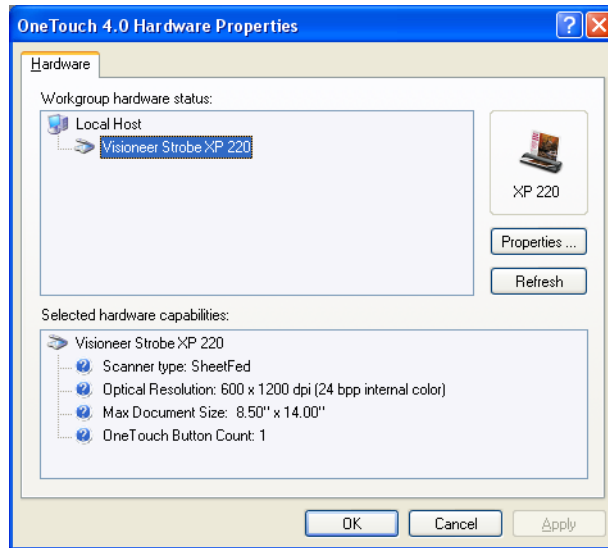
Right-click this icon...



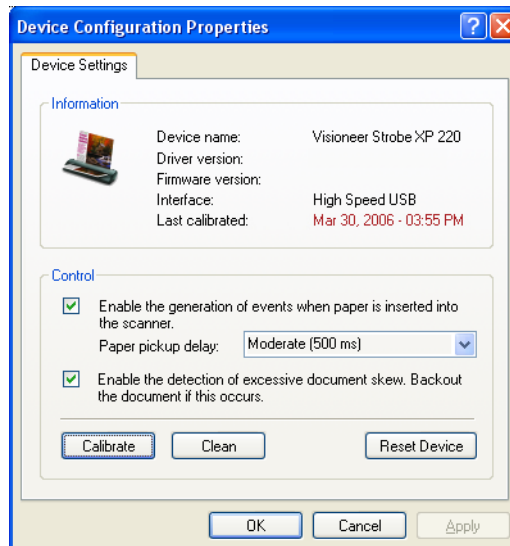
- If the TWAIN interface is open, click the scanner icon at the top right corner of the window.



3. The Hardware Properties window opens.
4. Click the **Properties** button



5. The **Device Configuration Properties** window opens and shows the Device Settings. Note that the “Last calibrated” date is **red**, indicating that calibration is now due.



---

**Note:** The Device Configuration Properties window is also available from the Windows Control Panel under **Scanners and Cameras**.

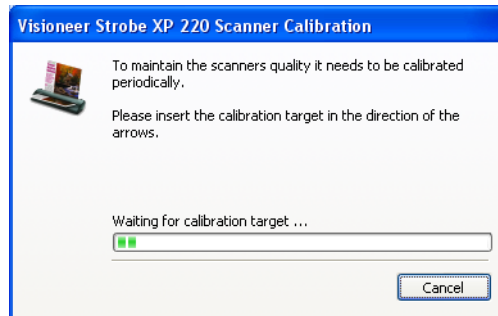
**For Windows XP:** Right-click on the **Visioneer Strobe XP 220** icon, select **Properties**, then select **Device Settings**.

**For Windows 2000:** Select the **Visioneer Strobe XP 220** icon, click on the **Properties** button, then select **Device Settings**.

---

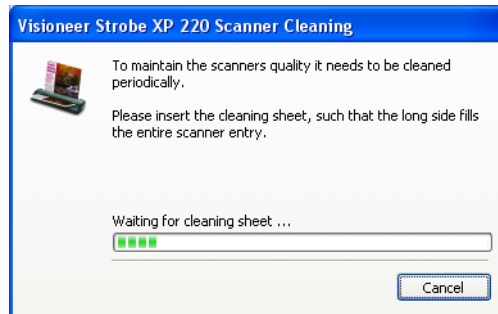
6. To recalibrate, click the **Calibrate** button.

The Calibration window opens.



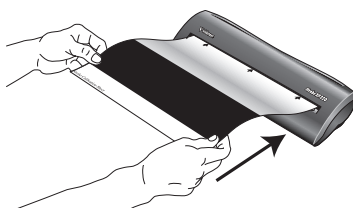
7. To clean the scanner, click the **Clean** button.

The Cleaning window opens.

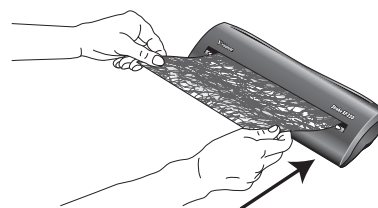


8. Insert the calibration page or cleaning page into the page feed. Insert the calibration page in the direction of the arrows on the page. Insert the long side of the cleaning page.

The scanner grabs the page and feeds it through the scanner.



Inserting the calibration page.



Inserting the cleaning page.

The scanner will automatically pass the calibration page or cleaning page back and forth several times.

*Do not remove the page until calibration is finished.*

9. When calibration or cleaning is complete, close the **Device Configuration Properties** window, and remove the calibration page or cleaning page and replace it in its plastic bag.

---

**Note:** Do not discard the cleaning page. You can use it several times. If additional cleaning is necessary, add a few drops of Isopropyl alcohol (rubbing alcohol) to the cleaning page and use it again.

---

---

**Note:** If the calibration page is not available you can use a piece of blank white paper as a substitute. However, calibration will not be as precise as with the regular calibration page.

---

## TROUBLESHOOTING

In addition to the troubleshooting information contained in this section, please see the Readme file on the installation CD. The Readme file contains additional information that may help you diagnose problems with the scanner.

If you try all the troubleshooting procedures described in this section and in the Readme file, and the scanner still has problems, you may have a malfunctioning scanner. Please see the technical support card that you received with your scanner for technical assistance telephone numbers. Also visit our web site at [www.visioneer.com](http://www.visioneer.com) for additional technical information.

### **Problem: The scanner won't scan. What's wrong?**

Check for one of these possible problems:

- **Are the cables loose or not plugged in securely?** Inspect the cable connections. Make sure the cables are plugged in securely.
- **Did you restart the computer after installing the software?** If you didn't restart the computer, it may not have loaded all of the software files. Try restarting your computer.
- **Did you plug the scanner into a USB hub?** If you're using a USB hub to connect the scanner, the hub must have its own power supply. If the hub does not have its own power supply, plug the scanner into a different USB port on the computer.
- **Did you select another TWAIN source for scanning?** If you use multiple devices with your computer, you may have selected another source for images. Start the PaperPort software and click the **Scan** icon and then make sure **TWAIN: Visioneer Strobe XP 220** is selected as the scanner.



**Problem: The scanner icon disappeared from the Windows Notification Area.**

Check for one of these possible problems:

- **Are the cables loose or not plugged in securely?** Inspect the cable connections. Make sure all cables are plugged in securely.
- **Is the Power Supply plugged in?** Make sure the Power Supply is securely plugged into a working electrical outlet.

If the cables and Power Supply are plugged in correctly, try restarting your computer.

**Problem: During installation I got the error message: PaperPort Installation is not complete. What do I do?**

The installation procedure was not successful. You need to reinstall the PaperPort software.

**Problem: I got the error message: PaperPort cannot allocate enough memory to perform internal critical operations. What do I do?**

Close any other active applications so that additional memory is available. If you click Continue, PaperPort moves the file to the PaperPort data directory and renames the file with the prefix “bad”. This allows you to recover the file later.

To recover the file, you can import it into PaperPort by using the Import command in the File menu.

**Problem: The installation will not complete successfully. If installation finishes, the scanner's OneTouch 4.0 options do not seem to work properly. What do I do?**

A likely cause is that some driver programs are already installed on your computer for another scanner. They are interfering with the installation and OneTouch options, and you need to remove those other drivers and re-install your Visioneer Strobe XP 220 scanner. Please see the documentation that you received with the other scanner for the steps to remove its driver programs. You can also use the basic steps in the section “How to Install Another Driver” on page 119, but instead of

uninstalling OneTouch 4.0, uninstall the other scanner's driver programs. After uninstalling the other scanner's driver programs, uninstall OneTouch 4.0 using the steps on page 118, then reinstall it.

**Problem: The scanned images are of poor quality even after I recalibrated and cleaned the scanner. What do I do?**

The calibration procedure was not successful. You may have a defective scanner. Please see the Technical Support Card that you received with your scanner for the telephone number or email address to contact Visioneer Technical Support.

**Problem: If the USB cable is disconnected during a scan, the scanner does not reconnect when the USB cable is plugged back in.**

Unplug the power cable from the scanner, and then plug it back in.

If the scanner does not reconnect:

1. Unplug the power cable from the scanner.
2. Restart your computer.
3. After the restart is complete, plug the power cable back in.

**Problem: How do I uninstall PaperPort?**

See the section, "How to Uninstall Your Scanner" on page 118. Uninstalling does not delete your scanned items, and they remain in the PaperPort Data folder.

## HOW TO UNINSTALL YOUR SCANNER

To uninstall the Visioneer Strobe XP 220 scanner, remove the OneTouch 4.0 scanner software first, then remove the PaperPort software.

### STEP 1: UNINSTALL THE ONETOUCH 4.0 SCANNER SOFTWARE

1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. Double-click the **Add or Remove Programs** icon.  
The Add or Remove Programs window opens.
3. Select OneTouch 4.0 then click the **Remove** button.
4. An “Add or Remove” message box opens and asks if you are sure you want to remove OneTouch 4.0 from your computer. Click **Yes**.  
The OneTouch 4.0 software is removed from your computer.
5. **Unplug the scanner USB cable.**
6. Close all open windows and reboot (restart) your computer.

### STEP 2: UNINSTALL THE PAPERPORT SOFTWARE

1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. Double-click the **Add or Remove Programs** icon.  
The Add or Remove Programs window opens.
3. Select **PaperPort** and click **Remove**.
4. An “Add or Remove” message box opens and asks if you are sure you want to remove PaperPort from your computer. Click **Yes**.  
The PaperPort software is removed from your computer.
5. Close all open windows and reboot (restart) your computer.

## HOW TO INSTALL ANOTHER DRIVER

Before you can install another driver for your scanner, you must remove the currently installed driver first. Then the new driver can be installed.

1. Uninstall the OneTouch 4.0 driver.
  - a. Open the Windows Control Panel.
  - b. Double-click the **Add or Remove Programs** icon.
  - c. Select OneTouch 4.0 then click on the **Remove** button.
  - d. An “Add or Remove” message box opens and asks if you are sure you want to remove OneTouch 4.0 from your computer. Click **Yes**.

The OneTouch 4.0 software is removed from your computer.

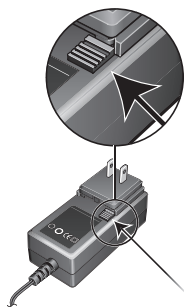
2. **Unplug the scanner USB cable.**
3. Reboot (restart) your computer.
4. Follow the instructions in “Step 1: Install the Software” on page 5 of this User Guide and follow steps for installing one of the other driver options.

## HOW TO REPLACE THE PLUG ADAPTER

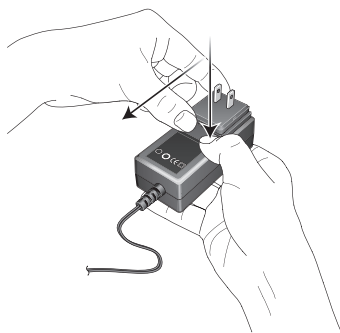
The three plug adapters you received with your scanner means you can use the power supply with electrical outlets in different countries.

### To remove and replace an adapter:

1. Unplug the power supply from the wall outlet.
2. Press down on the latch that holds the adapter in place.



3. While keeping the latch pressed down, slide the adapter down and off the power supply.



4. To place a new adapter on the power supply, use the procedure described on page 13 of this User's Guide.

## HOW TO TURN AUTO LAUNCH OFF/ON

In some instances, you may not want to use the scanner's AutoLaunch technology. You can turn off AutoLaunch so the scanner will not automatically scan when you insert a document. Typically, you turn off AutoLaunch when you want to use the scanner with some other scanning application.

You turn AutoLaunch off and on from either the OneTouch icon or from the Windows Control Panel.

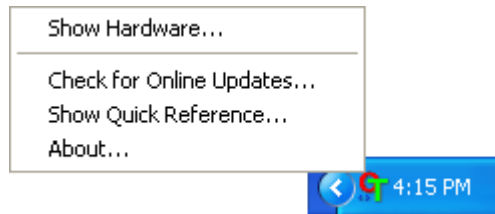
### To turn AutoLaunch Off/On from the OneTouch icon:

1. *Right-click* on the OneTouch icon in the Windows Notification Area (at the bottom right corner of the screen).

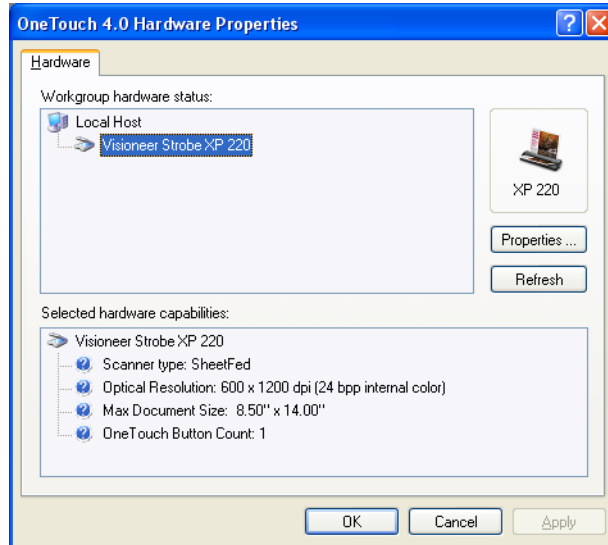
The OneTouch Icon.



2. Choose **Show Hardware** from the pop-up menu.

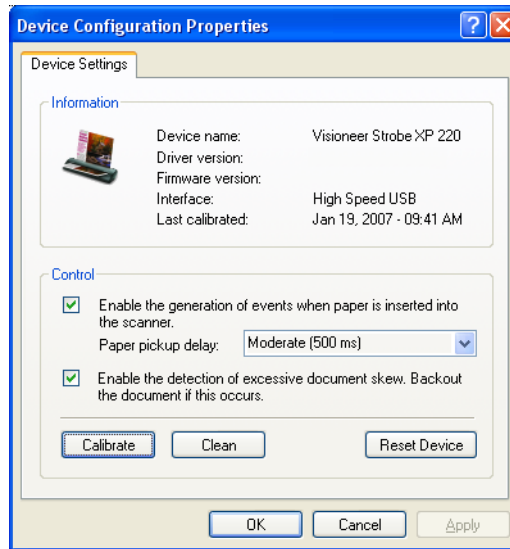


The Hardware Properties window opens.



3. Click the **Properties** button.

The Device Configuration Properties window for the Visioneer Strobe XP 220 opens.



4. Click to uncheck the option, **Enable the generation of events when paper is inserted into the scanner**. This turns off the AutoLaunch feature.
5. Click **OK**, then click **OK** at the Hardware Properties window.
6. To turn the AutoLaunch back on later, follow the same process, but click **Reset Device** or re-select the options you want and click **OK**.

---

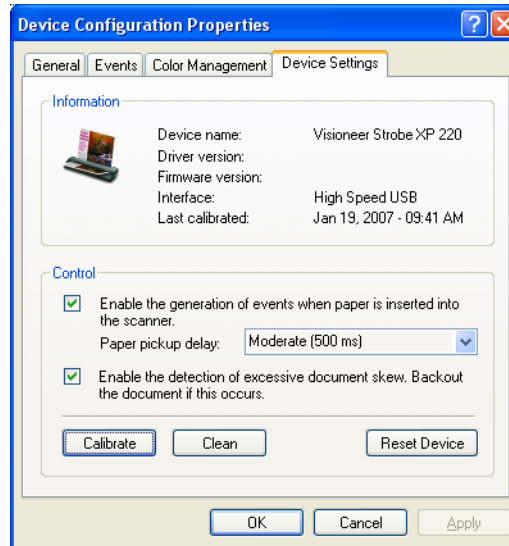
**Note:** If you are working with the TWAIN interface, you can also click the small Strobe XP 220 icon in the upper right corner of the window to open the Visioneer Strobe XP 220 Device Configuration Properties window. See the example on page 111.

---

**To turn AutoLaunch Off/On from the Windows Control Panel for Windows XP:**

1. On the Windows taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
2. Double-click the **Scanners and Cameras** icon.  
The Scanners and Cameras window opens.
3. In the Scanners and Cameras window, right-click the **Visioneer Strobe XP 220** icon, and select **Properties** from the menu.  
The Visioneer Strobe XP 220 Properties window opens.





4. Select the **Device Settings** tab.

The options are the same as shown on the Device Configuration Properties above.

5. Click to uncheck the option, **Enable the generation of events when paper is inserted into the scanner**, to turn off the AutoLaunch feature.
6. Click **OK**, then close the **Scanners and Cameras** Control Panel window.
7. To turn the AutoLaunch and Excessive Skew features back on later, follow the same process, but click **Reset Device** or re-select the options you unchecked in Step 2 above, and click **OK**.

**To turn AutoLaunch Off/On for Windows 2000, you will use the TWAIN interface:**

The following steps use PaperPort to access the TWAIN interface, but you can also use other applications which access it. If you use another application, please see its user's guide for the steps to access the TWAIN interface.

1. On the Windows taskbar, click **Start**, point to **Programs**, point to **PaperPort**, then click **PaperPort**.

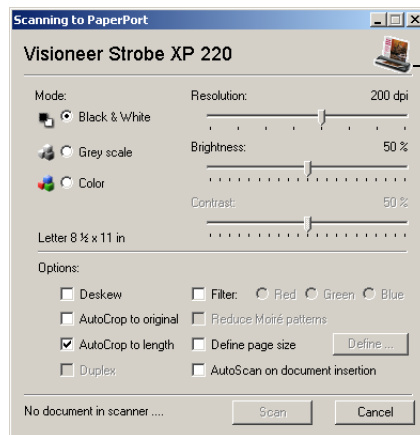
The PaperPort desktop opens.

2. Click the **Scan** icon on the PaperPort command bar.
3. From the Scanner drop-down list, select **Visioneer Strobe XP 220**.
4. Click the **Scan** button on the Scan pane.

The PaperPort TWAIN interface opens.

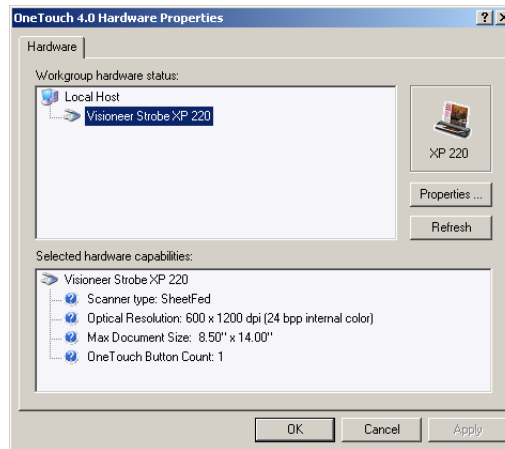
If the **Scan** button is not active, you may have to set up your scanner first to use PaperPort. See “Setting Up Your Scanner to Work with PaperPort” on page 98.

5. Click the scanner icon at the top right corner of the window.

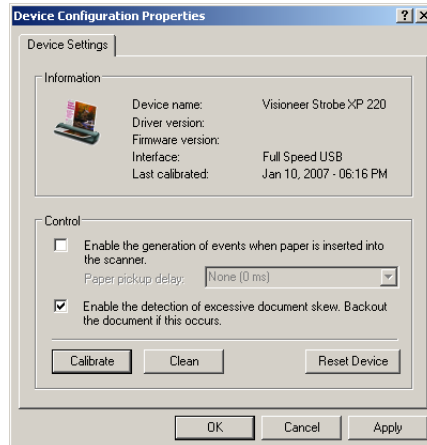


Click this icon.

6. If the Hardware Properties window opens, click the **Properties** button.



The **Device Configuration Properties** window opens.



The options are the same as shown on the Windows Device Configuration Properties window on page 124.

7. Click to uncheck the option, **Enable the generation of events when paper is inserted into the scanner**, to turn off the AutoLaunch feature.

8. Click **OK**, then close the **Scanners and Cameras Properties** window.
9. To turn the AutoLaunch and Excessive Skew features back on later, follow the same process, but click **Reset Device** or re-select the options you unchecked, and click **OK**.

### **SCAN FROM ONETOUCH WHEN AUTOLAUNCH IS OFF**

If AutoLaunch is turned off, you can still scan from the OneTouch Panel.

1. Open the OneTouch Panel.
2. Insert the document. The scanner rollers will grab the top edge of the paper but won't feed it through yet.
3. Click (not right-click) the **PaperIn** icon.

If you haven't inserted the document yet, a message above the panel tells you to insert the document.
4. Scanning begins and the scanner rollers feed the document through the scanner.

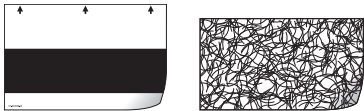





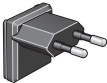
The scan image will appear in the Destination Application indicated by the icon on the OneTouch Panel.

## VISIONEER STROBE XP 220 SCANNER SPECIFICATIONS

|   |  |
|---|--|
| <b>Optical resolution</b>               | 600 dpi  |
| <b>Bit Depth</b>                        | 48-bit color (internal, 16-bit a/d converter recognition, over 68 billion colors)<br>16-bit gray (internal, 4096 shades of gray) |
| <b>Output Bit Depth</b>                 | 24-bit color, 8-bit grayscale, 1-bit black and white   |
| <b>Scan Method</b>                      | Fast Sheet fed   |
| <b>Interface</b>                        | USB 2.0 High Speed; compatible with USB 1.1  |
| <b>Scanner dimensions</b>               |  |
| Height                                  | 2.0 inches (5.08 cm)   |
| Width                                   | 2.5 inches (6.40 cm)   |
| Length                                  | 11.0 inches (28.45 cm)   |
| <b>Weight</b>                           | 1.3 pounds (0.59 kg)   |
| <b>Operating temperature</b>            | 50°–104° F (5°–35° C without condensation)   |
| <b>Relative humidity</b>                | 20%–80% (@35° C without condensation)  |
| <b>Power supply</b>                     | DC Jack, 24Vdc/0.83A (~20W), 100-240Vac, Energy Star and RoHS compliant  |
| <b>Power consumption</b>                | ≤ 5.5 Watts (during operation)<br>≤ 2.7 Watts (on standby)   |
| <b>Power cord</b>                       | AC, US, 3P, 10A/125V, 180 cm, 3C, 18AWG, RoHS compliant  |
| <b>USB cable</b>                        | 185 cm, 28AWG, with core, RoHS compliant   |
| <b>Safety and agency certifications</b> | UL, FCC Class B, VCCI Class B, CE, WEEE  |

# **VISIONEER STROBE XP 220 SCANNER PARTS LIST**

Please use the following part names and part numbers when ordering replacements for your scanner. Visit our web site at [www.visioneer.com](http://www.visioneer.com) to order replacement parts.

| Part  | Part Name                                | Part Number  |
|---|--|--|
|    | Calibration Page<br>and<br>Cleaning Page | 05-0621-000  |
|    | Photo Sleeve                             | 05-0559-000  |
|    | USB Y-Cable                              | 35-0064-000  |
|   | Power Supply                             | 37-0055-000  |
|  | Strobe XP 220 US<br>Clip, RPA 10, D2     | 70-0528-000<br>(Reorder includes all<br>three plug adapters) |
|  | Strobe XP 220 UK<br>Clip, 15RPK-N, A2    |  |
|  | Strobe XP 220 Europe<br>Clip, JF16, A3   |  |



**INDEX****A**

Advanced Properties 108  
 Apply button 34  
 archive documents 43  
 aspect ratio 63  
 Autocrop to Length 94  
 Autocrop to Original 60, 93  
 AutoLaunch 25, 29  
     turn off/on 127  
 AutoRotate image 63

**B**

Black&White 59, 92  
 BMP 47  
 Brightness 93, 109  
 brightness 59  
 brightness slider 59  
 Burn to CD 44, 69  
     Destination Application 70  
 button options 53  
 button settings 35

**C**

calibration 17, 110, 114  
 Color 59, 92  
 color configuration 92  
 Color Document 36  
 color filter 61, 94  
 components 2  
 Configure Before Scan 68  
 Contrast 93, 109  
 contrast 59  
 contrast slider 59

**D**

Destination Application 35, 36  
     OCR 35  
     text file format 49  
 Device Settings 58, 63  
 Document Format 35  
 Document Management 54

documentation 3  
 dpi 109

**E**

eMail 54  
 eMail Properties 45  
 Excel Spreadsheet 50

**F**

Fax and Print 54  
 file format 50  
 file storage location 77  
 Format 36  
     HTML 74

**G**

gamma 62  
 grayed out options 32  
 GrayScale 59, 92

**H**

help information 97, 115  
 htm file format 50  
 HTML Document 50  
 HTML page 75  
 HTML Web Page 74  
 hue 62

**I**

Image Documents Properties 41  
 Image Editors 54  
 image file 47  
 image file format 47  
 improvements and settings 60  
 installation 4  
 invert image 61

**J**

JPG 47  
 JPG file size 48

**L**

Link Properties 37



**M**

Microsoft Excel 39  
 Microsoft Internet Explorer 75  
 Microsoft Outlook 45  
 Microsoft Paint 41  
 Moire Patterns 60, 94  
 monitor 3

**O**

OCR 49  
     columns 52  
     optical character recognition 51  
     storage 78  
 OCR options 51  
 OneTouch Panel 30, 31  
     Detail View 31  
     Hardware View 31  
 OneTouch Properties window 30, 32, 37  
     options 53, 57  
 Options tab 34

**P**

page format options 47  
 page size 60, 95  
 paper return  
     icons 2, 27  
     options 27  
 PaperPort 88  
     help topics 97  
     Scan Pane 90  
 PaperPort Properties 38  
 parts 1  
 PDF 47, 54  
 PDF file size 48  
 photo scan 28  
 photo sleeve 28  
 Picture type 109  
 plug adapter  
     attach 13  
     replace 120  
 Properties button 34, 37

**R**

recalibration 110  
 Refresh button 34  
 Resolution 41, 59, 93, 109  
 Rich Text Format 50  
 rtf file format 50

**S**

saturation 62  
 Scan Configuration 35  
 scan with event forwarding 72  
 scanner  
     components 2  
     connecting 14  
     recalibration 110  
     specifications 128  
     uninstall 118  
 scanner button 2, 30  
 Select Configuration 33, 35  
 Select Destination 33, 35, 54  
 Select Format 34  
 setup 4  
 Show All Destinations 53  
 Show Hardware 85  
 Simple Text 50  
 size 60, 95  
 skewed page 60, 93  
 specifications 128  
 spreadsheet 51  
 Sti event forwarding 54  
 Storage and CD-R/W 54  
 Storage Properties 43  
 Straighten Image 61, 93  
 system requirements 3

**T**

technical support 115  
 Text Documents Properties 39  
 Text Editors 54  
 text file format 49  
 Text Formats 49  
 TIFF 47  
 Transfer to Storage 43, 76

TWAIN 68, 73

TWAIN standard 88

## **V**

Visioneer Web site 115

## **W**

watermark, remove 61, 94

Web site for help 115

WIA 68, 105

Windows Image Acquisition 105

## **X**

xls file format 50



